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Alfred Hunt



ENGINEERING DEPARTMENT

THIRTY-FIFTH ANNUAL REPORT

OF THE

CITY ENGINEER

BOSTON

FOR THE YEAR 1901

Compliments of

William Jackson,

City Engineer.

BOSTON

MUNICIPAL PRINTING OFFICE

1902

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General & Co. Merchants Department

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ENGINEERING DEPARTMENT, CITY HALL,
BOSTON, February 1, 1902.

HON. PATRICK A. COLLINS,
Mayor of the City of Boston:

SIR, — The following report of the expenses and operation of this department for the year ending January 31, 1902, is submitted:

The duties of the City Engineer include the designing and superintending of the construction of new bridges, retaining-walls, city wharves, and such other public engineering works as the City Council may authorize; the making of such survey, plans, estimates, statements and descriptions, and taking such levels as the City Government or any of its departments or committees may require; the custody of all surveys and plans relating to the laying-out, locating anew, altering, widening or discontinuing of streets; and the new engineering construction for all departments of the city. He must be consulted on all work where the advice of a civil engineer would be of service. The office of the City Engineer was established by ordinance on October 31, 1850, and by chapter 449 of the Acts of 1895.

The following is a statement of engineering expenses from February 1, 1901, to January 31, 1902:

Amount of department appropriation for 1901-1902	\$85,700 00
Amount expended for 1901-1902	85,667 26
Unexpended balance	<u>\$32 74</u>

STATEMENT OF EXPENDITURES, DEPARTMENT APPROPRIATION.

Object of expenditures:

Salaries:

Engineer, William Jackson
(paid as Acting Superintendent of Streets after November 25, 1901) \$5,416 66

Assistant Engineer, architect, draughtsmen and assistants 70,951 80

\$76,368 46

Travelling expenses 2,210 06

Instruments, tools and repairs 1,800 59

Printing 823 93

Stationery 691 75

Furniture and office expenses 578 05

Blue printing and photographing 573 98

Binding and plans 540 41

Horse-keeping 485 26

Books and papers 388 03

Telephone service 359 96

Washing and small supplies 267 59

Rent of office 200 00

Three bounding-posts and setting 140 37

Typewriting 36 50

Messenger service 26 10

Carting 8 22

Broadway bridge:

Employés 168 00

\$85,667 26

ABOLISHMENT OF GRADE CROSSINGS.

Blue Hill Avenue and Oakland Street.

Expenditures from June 15, 1901, to January 31, 1902:

Land damages	\$8,552 07
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Dorchester Avenue.

Expenditures from February 1, 1901, to January 31, 1902:

Items of expenditure:

Land damages	\$90,593 17	
Southampton-street bridge,	4,645 00	
Appraisal services	1,329 00	
Filling	260 58	
Sewer construction	120 00	
Printing	46 43	
Advertising	38 51	
		\$97,032 69

Expended previous to 1901	659,649 24
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\$756,681 93

Cr. Sale of land and buildings	978 09
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\$755,703 84

Congress Street.

Items of expenditure:

Paving fences, etc.	\$8,353 53	
Appraisal services	2,340 00	
Filling	132 68	
B-street bridge	42 00	
Engineering and inspection,	7 00	
		\$10,875 21

Expended previous to 1901	1,177,816 91
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\$1,188,692 12

BROADWAY BRIDGE, REBUILDING.

Appropriation	\$370,000 00
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Expenditures from June 15, 1901, to January 31, 1902:

Piers	\$10,248 52
Temporary bridge	7,634 25

<i>Carried forward</i>	\$17,882 77	\$370,000 00
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<i>Brought forward</i> . . .	\$17,882 77	\$370,000 00
Draw pier	6,114 17	
Engineering and inspection, . . .	3,717 48	
Relocating water pipes	635 08	
Advertising	130 56	
Printing	107 80	
	<hr/>	28,587 86
Balance February 1, 1902		<u><u>\$341,412 14</u></u>

MALDEN BRIDGE.

Expenditures by the Engineering Department from February 1, 1901, to January 31, 1902:

Draw, foundation, etc.	\$27,714 61	
Bridge	25,590 21	
Engineering and inspection, . . .	2,780 31	
North abutment	2,090 00	
Paving	1,141 69	
Filling	233 13	
Printing	91 57	
Advertising	65 80	
	<hr/>	\$59,707 32
Expended previous to 1901		58,944 77
		<u><u>\$118,652 09</u></u>

ATLANTIC-AVENUE BRIDGE.

Expenditures by the Engineering Department from February 1, 1901, to January 31, 1902:

Northerly approach	\$41,278 34	
Southerly approach	26,044 38	
Engineering and inspection, . . .	6,540 58	
Paving	1,255 24	
Relocating water pipes	592 82	
Printing	106 63	
Advertising	92 96	
	<hr/>	\$75,910 95
Expended previous to 1901		3,452 58
		<u><u>\$79,363 53</u></u>

BRIDGES.

The annual inspection of all highway and foot-bridges has been made, together with special examinations when notified by the Superintendent of Streets of the progress of repairs.

The management of all the bridges and draws between Cambridge and Boston, by the Acts of 1898, chapter 467, is vested in a board of two commissioners, which has charge of the following eight bridges, viz.: Cambridge street, Canal, Essex street, Harvard, North Harvard street, Prison Point, West Boston, and Western avenue to Cambridge; one-half the cost of the maintenance of these bridges is paid by each of these cities.

In the list of bridges those marked with a star (*) are over navigable waters, and are each provided with a draw, the openings in which are shown in a table in Appendix A. The widths of the openings have been measured for this report.

1. — BRIDGES WHOLLY SUPPORTED BY BOSTON.

Agassiz road, in the Fens.

Allston bridge, over Boston & Albany Railroad, Brighton.

Arborway bridge, in Parkway, over Stony brook.

Ashland street, over Providence Division, N. Y., N. H. & H. R.R., West Roxbury.

Athens street, over Midland Division, N. Y., N. H. & H. R.R.

Audubon road, over Boston & Albany Railroad.

Beacon street, over outlet to the Fens.

Beacon street, over Boston & Albany Railroad.

Bennington street, over Boston, Revere Beach & Lynn Railroad.

Berkeley street, over Boston & Albany Railroad.

Bernier-street foot-bridge, in the riverway.

Berwick-park foot-bridge, over Providence Division, N. Y., N. H. & H. R.R.

Blakemore street, over Providence Division, N. Y., N. H. & H. R.R.

Bolton street, over Midland Division, N. Y., N. H. & H. R.R.

Boylston street, in the Fens.

Boylston street, over Boston & Albany Railroad.

Bridle path, in the riverway, over Muddy river.

* Broadway, over Fort Point channel.

Broadway, over Boston & Albany Railroad.

Brookline avenue, over Boston & Albany Railroad.

Byron street, over Boston, Revere Beach & Lynn Railroad.

* Castle Island foot-bridge, from Marine park, South Boston, to Castle Island.

Charlesgate, in the Fens, over Boston & Albany Railroad.

Charlesgate, in the Fens, over Ipswich street.

* Charlestown bridge, from Boston to Charlestown.

* Chelsea bridge, South, over South channel of Mystic river.

* Chelsea street, from East Boston to Chelsea.

Circuit drive, over Scarboro' pond in Franklin park.

Columbus avenue, over Boston & Albany Railroad.

* Commercial point, or Tenean, Dorchester.

Commonwealth avenue, in the Fens.

* Congress street, over Fort Point channel.

Cornwall street, over Stony brook, West Roxbury.

Cottage Farm bridge, over Boston & Albany Railroad, Brighton.

Cottage-street foot-bridge, over flats, East Boston.

Dartmouth street, over Boston & Albany Railroad and Providence Division, N. Y., N. H. & H. R.R.

* Dover street, over Fort Point channel.

Ellicott arch, in Franklin park.

* Federal street, over Fort Point channel.

Fen bridge, in the Fens.

Ferdinand street, over Boston & Albany Railroad.

Forest Hills entrance, in Franklin park.

Gold street, over Midland Division, N. Y., N. H. & H. R.R.

Huntington avenue, over Boston & Albany Railroad.

Ipswich street, over waterway, in the Fens.

Irvington-street foot-bridge, over Providence Division, N. Y., N. H. & H. R.R.

* L street, over reserved channel, South Boston.

Leverett-pond foot-bridge, in Leverett park.

Linden Park street, over Stony brook.

* Malden bridge, from Charlestown to Everett.

Massachusetts avenue, over Boston & Albany Railroad.

Massachusetts avenue, over Providence Division, N. Y., N. H. & H. R.R.

* Meridian street, from East Boston to Chelsea.

* Mount Washington avenue, over Fort Point channel.

Neptune road, over Boston, Revere Beach & Lynn Railroad.

Newton street, over Providence Division, N. Y., N. H. & H. R.R.

Public Garden foot-bridge.

Scarboro'-pond foot-bridge in Franklin park.

Shawmut avenue, over Boston & Albany Railroad and Providence Division, N. Y., N. H. & H. R.R.

Southampton street, east of Midland Division, N. Y., N. H. & H. R.R.

Southampton street, west of Midland Division, N. Y., N. H. & H. R.R.

Stony brook, in the Fens.

Summer street, over A street.

Summer street, over B street.

Summer street, over C street.

* Summer street, over Fort Point channel.

* Warren bridge, Boston to Charlestown.

West Rutland-square foot-bridge, over Providence Division, N. Y., N. H. & H. R.R.

Winthrop, from Breed's Island to Winthrop.

Wood Island park foot-bridge, over Boston Revere Beach & Lynn Railroad.

II. — BRIDGES OF WHICH BOSTON SUPPORTS THE PART WITHIN ITS LIMITS.

Bellevue street, in the riverway, over Muddy river.

Bernier-street foot-bridge, in the riverway, over Muddy river.

Brookline avenue, in the riverway, over Muddy river.

Central avenue, from Dorchester to Milton.

* Chelsea bridge, North, over North Channel, Mystic river.

* Granite bridge, from Dorchester to Milton.

Longwood avenue, in the riverway, over Muddy river and Boston & Albany Railroad.

Mattapan bridge, from Dorchester to Milton.

Milton bridge, from Dorchester to Milton.

* Neponset bridge, from Dorchester to Quincy.

* North Beacon street, from Brighton to Watertown.

Spring street, from West Roxbury to Dedham.

Tremont street, in the riverway, over Muddy river.

* Western avenue, from Brighton to Watertown.

III. — BRIDGES OF WHICH BOSTON PAYS A PART OF THE COST OF MAINTENANCE.

Albany street, over Boston & Albany Railroad freight tracks.

Ashmont street and Dorchester avenue, over Old Colony Division, N. Y., N. H. & H. R.R.

Boston street, over Old Colony Division, N. Y., N. H. & H. R.R.

* Cambridge street, from Brighton to Cambridge.

Cambridge street, over Boston & Maine and Boston & Albany Railroads.

* Canal bridge, from Boston to Cambridge.

Chelsea bridge, over the Boston & Maine Railroad.

Dorchester avenue, over Old Colony Division, N. Y., N. H. & H. R.R.

Dorchester street, over Old Colony Division, N. Y., N. H. & H. R.R.

* Essex street, from Brighton to Cambridge.

Everett street, over Boston & Albany Railroad, Brighton.

* Harvard bridge, from Boston to Cambridge.

Harvard street, over Midland Division, N. Y., N. H. & H. R.R. Dorchester.

* North Harvard street, from Brighton to Cambridge.

Perkins street, over Boston & Maine and Boston & Albany Railroads.

* Prison-Point bridge, Charlestown to Cambridge.

Southampton street, over Old Colony Division, N. Y., N. H. & H. R.R.

Summer street, over freight tracks, N. Y., N. H. & H. R.R.

* West Boston temporary bridge, from Boston to Cambridge.

West Fourth street, over Old Colony Division, N. Y., N. H. & H. R.R.

* Western avenue, from Brighton to Cambridge.

IV. — BRIDGES SUPPORTED BY RAILROAD CORPORATIONS.

1st. — Boston & Albany R.R.

Albany street, over passenger tracks.

Harrison avenue.

Market street, Brighton.

Tremont street.

Washington street.

2d. — Boston & Maine and Boston & Albany Railroads.

Main street.

Mystic avenue.

3d. — Boston & Maine R.R., Eastern Division.

Wauwatosa avenue, East Boston.

4th. — Boston, Revere Beach & Lynn R.R.

Everett street.

*5th. — New York, New Haven & Hartford R.R., Midland
Division.*

Broadway.
Dorchester avenue.
Fifth street.
Fourth street.
Morton street, Dorchester.
Norfolk street, near Dorchester station.
Norfolk street, near Mattapan station.
Second street.
Silver street.
Sixth street.
Third street.
Washington street, Dorchester.

*6th. — New York, New Haven & Hartford R.R., Old Colony
Division.*

Adams street.
Cedar Grove Cemetery.
Freeport street.
Medway street.
Savin Hill avenue.

*7th. — New York, New Haven & Hartford R.R., Providence
Division.*

Albany street.
Beech street, West Roxbury.
Bellevue street, West Roxbury.
Berkeley street.
Broadway.
Canterbury street, West Roxbury.
Castle square.
Centre and Mt. Vernon streets, West Roxbury.
Columbus avenue.
Dartmouth street.
Dudley avenue, West Roxbury.
Harrison avenue.
Park street, West Roxbury.
Washington street.

RECAPITULATION OF BRIDGES.

I.	Number wholly supported by Boston	70
II.	Number of which Boston supports that part within its limits	14
III.	Number of which Boston pays a part of the cost of maintenance	21
IV.	Number supported by railroad corporations :	
1.	Boston & Albany Railroad	5
2.	Boston & Maine and Boston & Albany Rail- roads	2
3.	Boston & Maine, Eastern Division	1
4.	Boston, Revere Beach & Lynn Railroad	1
5.	N. Y., N. H. & H. R.R., Midland Division	12
6.	N. Y., N. H. & H. R.R., Old Colony Division	5
7.	N. Y., N. H. & H. R.R., Providence Division	14
	Total	<u>145</u>

Agassiz-road Bridge (in the Fens).

This bridge was built in 1887, of brick and stone masonry. It is maintained by the Park Department, and is in good condition.

Albany-street Bridge (over the Boston & Albany R.R. Freight Tracks).

The original structure was built in 1856-57, and rebuilt in 1867-68. The present bridge was built in 1886-87, and is maintained in part by the City of Boston, and in part by the Boston & Albany Railroad. Some patching of the roadway deck has been done during the year, but the whole lower planking is poor and should be examined carefully when the bridge is sheathed again. The sidewalk planking is very thin and should be renewed.

Allston Bridge (over the Boston & Albany R.R., Brighton).

This is an iron bridge, built in 1892. The bridge is in good condition.

Arborway Bridge (over Stony brook, in Parkway, near Forest Hills Station).

This is a wooden bridge resting on abutments of vulcanized spruce piles. The stringers and under-planking are of vulcanized hard pine. It was built in 1893, and is main-

tained by the Park Department. The sidewalk planking is poor and should be renewed and the fences painted.

Ashland-street Bridge (over Providence Division, New York, New Haven & Hartford R.R., West Roxbury).

The present structure is of iron, and was built in 1875. The bridge has been sheathed during the year and a new fence built.

Ashmont-street and Dorchester-avenue Bridge (over Old Colony Division, New York, New Haven & Hartford R.R.).

This is a wooden bridge, formerly maintained by the railroad company. It was lengthened on the Boston side in 1895, and now the city maintains 75 feet of the northerly part. The fencing needs painting, and some of the roadway planking needs renewal.

Athens-street Bridge (over Midland Division, New York, New Haven & Hartford R.R.).

This is an iron bridge, built in 1874. The sidewalk planking has been renewed, the deck patched and the roadway sheathed. The ironwork is very rusty; the deck planking and fences are in poor condition. The bridge should be stripped and painted.

Audubon-road Bridge (over the Boston & Albany R.R.).

This is a steel-plate girder bridge, built in 1893-94, and is maintained by the Park Department. With the exception of the sheathing and sidewalk planking the bridge is in good condition. The sidewalk planking is thin, and should be renewed.

Beacon-street Bridge (over Outlet of the Fens).

This iron bridge with a wooden roadway was built in 1880-81. During the year the roadway portion of the bridge has been rebuilt in steel and concrete construction, consisting of 18-inch steel I-beams, filled between and encased with Portland cement concrete, strengthened with expanded metal, the old iron girders being left in place and included in the new construction.

The street car rails on the bridge were laid on ties bedded in sand, trenches of suitable size for the tracks being provided in the concrete filling over the steel beams. This

construction has proved to be efficient in preventing the rumbling noise usually caused by street cars in crossing bridges.

The roadway was paved with hard-pine blocks treated by the creo-resinate process, and the sidewalks were replanked with spruce.

Beacon-street Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1884-85, widened in 1887-88, and the central roadway further widened in 1890 for the convenience and at the expense of the Street Railway Company. All the ironwork above the floor has been painted during the year; the part below, however, is badly rusted and should be cleaned and painted when the deck is renewed. The facias are still in a poor condition.

Bellevue-street Bridge (over Muddy river, in Riverway).

This is a segmental masonry arch of 44 feet span and 15 feet rise. It was built in 1893 by the Park Departments of Boston and Brookline, and is maintained jointly by them.

Bennington-street Bridge (over Boston, Revere Beach & Lynn R.R.).

This is an iron bridge, built in 1889, and is in fair condition. It will soon be replaced by a new and wider bridge, and a contract has been made for doing the work. (See page 86).

Berkeley-street Bridge (over Boston & Albany R.R. and Providence Division, N. Y. N. H. & H. R.R.).

The bridge over the tracks of the Boston & Albany Railroad, which is maintained by the city, was originally built for the Boston Water Power Company, and accepted by the city in 1869. The structure over these tracks is a through plate girder bridge, and was built in 1891.

During the year new stringers and stringer seats were put under the street railway tracks, a new deck laid and the whole bridge cleaned and painted.

Berkeley-street Bridge (over Providence Division, New York, New Haven & Hartford R.R.).

This bridge was closed to travel in November, 1901, and has since been removed.

Bernier-street Foot-bridge (over Bridle path in Riverway).

This is a semi-circular masonry arch of 38 feet 4 inches span. It was built in 1893, and is maintained by the Park Department.

Bernier-street Foot-bridge (over Muddy river).

This is a segmental masonry arch of 52 feet span and 14 feet rise. It was built in 1893 by the Park Departments of Boston and Brookline, and is maintained jointly by them.

Berwick-park Foot-bridge (over Providence Division, New York, New Haven & Hartford R.R.).

This is an iron foot-bridge, erected in 1894. The iron stairs and piers were new, but the trusses and floor-beams were those built for Franklin street in 1883. The ironwork has been painted during the year, and the bridge is in good condition.

Blakemore-street Bridge (over Providence Division, New York, New Haven & Hartford R.R.).

This is an iron bridge, built in 1881-82. It is now in good condition, except sidewalk planking, which should be renewed.

Bolton-street Bridge (over Midland Division, New York, New Haven & Hartford R.R.).

This is a wooden bridge, built in 1889. The fences should be repaired and painted; the roadway planking is only in a fair condition, and will soon need renewal.

Boston-street Bridge (over Old Colony Division, New York, New Haven & Hartford R.R.).

This is a new plate girder bridge, built in 1900. It has two roadways, each 18 feet 3 inches wide in the clear, and two sidewalks, each 7 feet wide; the lower planking is 4-inch hard pine, and the wearing surface is 2-inch spruce. The sidewalks are of 2-inch hard pine. The surface of the bridge is maintained by the city, and the rest of the structure by the railroad company. The bridge is in good condition.

Boylston-street Arch Bridge (in the Fens).

This is a stone arch bridge, built in 1881. It is in good condition.

Boylston-street Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1886-88. The ironwork above the floor has been painted during the year with the exception of the fences; these should be painted. The ironwork below the floor is very rusty, and should be cleaned and painted.

Bridle-path Bridge (over Muddy River, in the Riverway).

This is a masonry bridge of three arches; the central arch is elliptical in form, with a span of 30 feet and a rise of 9 feet 6 inches; the side arches are semi-circular, 15 feet in diameter. It was built in 1894, and is maintained by the Park Department. It is in good condition.

Broadway Bridge (over Fort Point Channel).

The draw and its foundation were rebuilt in 1874-75, and the woodwork on the draw was renewed in 1896. The bridge, with the exception of the draw-span, was closed to travel September 3, preparatory to rebuilding. A temporary foot-bridge was built outside the lines of the street, but utilizing the old draw-span to serve for foot travel during the construction of the new bridge, the foot-bridge being opened to travel September 7. The old bridge is now being removed.

The wooden draw pier has been repaired, all portions not recently rebuilt, having been removed and replaced with new work, except a few piles which were in good condition.

(See page 97).

Broadway Bridge (over Boston & Albany R.R.).

The old bridge, built in 1880-1, was replaced in 1900 by the present bridge. The paint used on this bridge has not worn well, and it will be advisable to paint the whole structure within a year to prevent its rusting.

Brookline-avenue Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1884. It is in good condition with exception of the ironwork below the floor, which should be painted.

Brookline-avenue Bridge (over Muddy River, in the Riverway).

This is a semi-circular masonry arch of 15 feet span. It was built in 1892 by the Park Departments of Boston and Brookline, and is maintained by them jointly.

Byron-street Bridge (over Boston, Revere Beach & Lynn R.R.).

This is a wooden bridge, built in 1889. The fences have been painted, and minor repairs made. The bridge is in poor condition. The bulkheads are somewhat rotten; some of the filling beneath one of the sills has settled; the deck planking is rotten at the butts; the curb sticks and sidewalk planking are poor, and the iron rods need painting.

Cambridge-street Bridge (from Brighton to Cambridge).

This is a wooden pile bridge with a wooden leaf draw. It was rebuilt in 1884; the draw was rebuilt in 1891. The bridge is in the care of the Commissioners for the Boston and Cambridge bridges, and the city pays one-half the cost of maintenance. A few deck planks on the main bridge and draw have been renewed and the roadway sheathed; the planking on the piers and waterway is in poor condition; the fender-guard on the Cambridge side needs repairing; the deck planking has been repaired in spots several times, and is only in fair condition: that on the draw needs renewal; the sidewalk planking needs repairs; one draw arm on the Cambridge side should be renewed; the draw needs adjusting; both abutments need repairing; new irons are needed on the waterway; the bridge should be painted, and a boat should be provided.

Cambridge-street Bridge (over Boston & Maine and Boston & Albany Railroads, Charlestown).

This bridge was built in 1901, and opened to travel in the summer. It is a steel bridge of four spans, having three lines of riveted modified Warren trusses, and was built under the Grade Crossing Act by the Boston & Maine Railroad. The surface is maintained by the city, the remainder by the railroad company; it has two roadways, each 25 feet 8 inches wide, and two 10-foot sidewalks; the trusses are supported on stone abutments and piers; the roadways are paved with granite blocks, and the sidewalks are of hard pine; the bridge is 75 feet wide and about 317 feet long. It is in good condition.

Canal, or Craigie's Bridge.

This is a wooden pile bridge, with a wooden turn-table draw. The city pays one-half the cost of maintenance. The bridge was originally built in 1808, was rebuilt in 1852, and was again rebuilt and widened in 1874. The bridge is in the care of the Commissioners for the Boston and Cambridge bridges. The paving on the Cambridge end has been repaired, and the up-stream corner of the draw-pier has been partially rebuilt, oak piles and hard-pine timber being used; a few deck planks on the draw have been renewed, and the remainder are in poor condition. The sidewalks, sidewalk bulkheads, roadway planking near the curbs, and fencing that have not recently been rebuilt are poor, and need rebuilding; additional stringers are needed near the draw, and some pile work is needed near the ends of the bridge; some of the spur-shores need refitting; the roadway pavement on the Boston side of the draw should be repaired; the up-stream fender-guards are in poor condition; the draw, track circle, and wharf need extensive repairs, and the bridge should be painted.

Castle Island Foot-bridge (from Marine Park to Castle Island).

This is a temporary foot-bridge, built in 1892, and is maintained by the Park Department. It connects the Marine park with Castle Island, and is furnished with a draw, so that if desired by the United States authorities the island can be cut off from the mainland. Repairs are needed on the fence and planking, and the bridge should be painted; otherwise the bridge is in fair condition.

Central-avenue Bridge (over Neponset River, Dorchester Lower Mills).

This is an iron bridge, and was built in 1876. The city maintains the part within its limits. The woodwork of the roadway is in poor condition; the bridge should be stripped, the upper part of the floor-beams should be cleaned and painted, and the woodwork renewed.

Charlesgate Bridge (in the Fens, over Boston & Albany R.R.).

This is an iron bridge, built in 1881-82, and is maintained by the Park Department. The fences have been painted during the year, and the bridge is now in good condition.

Charlesgate Bridge (in the Fens, over Ipswich Street).

This is a deck-plate girder bridge with a buckle-plate floor. The roadway is paved with asphalt and the sidewalks with artificial stone. The fences have been painted during the year.

Charlestown Bridge (from Boston to Charlestown).

This bridge was opened to public travel November 27, 1899. The bridge over the river consists of ten spans of deck-plate girders, each 85 feet long, resting on masonry piers, and a swing or turn-table draw 240 feet 6 inches long. The width of the bridge for its entire length is 100 feet, divided into two sidewalks, each 10 feet wide, two roadways for street traffic, each 27 feet 9 inches wide, and a roadway for surface street cars 22 feet wide. Over the car space are the elevated tracks of the Boston Elevated Railway Company. There are two draw channels for the passage of vessels, each 50 feet wide. The height of the under side of the draw above mean high water is 23 feet.

The bridges over Water street and over the railroad tracks each consist of two spans of steel I-beams, with brick arches turned between the beams. The roadways of the fixed spans over the river and over Water street have granite block paving, and the sidewalks have asphalt wearing surfaces. The roadway of the span over the railroad is paved with asphalt. The floorings of the draw, both for the roadway and sidewalks, have plank wearing surfaces. The entire structure is now in good condition.

Chelsea Bridge (over Boston & Maine R.R.).

This is an iron bridge, built by the Boston & Maine Railroad Company in 1894, and is over the railroad location. The surface of the bridge is maintained by the city; the remainder by the railroad company. The wheel-guard on the bridge is too low and narrow, the fences need repairing and painting, the sidewalk needs small repairs, and the northerly girders need painting; otherwise the bridge is in good condition.

Chelsea Bridge, North (over North Channel, Mystic River).

The city maintains the part within its limits. The original structure was built in 1802-3. The piles under the main bridge were driven in 1880. The upper part of the bridge,

the draw and draw foundations were built in 1895. The draw-way was widened to 60 feet in 1900, the draw foundation being enlarged, the draw lengthened, and the draw piers built. Ordinary repairs have been made; the tops of some of the old piles have begun to decay; the old fender-guards are in poor condition, and some of the sidewalk planking needs renewal; otherwise the bridge is in good condition.

Chelsea Bridge, South (over South Channel, Mystic River).

This is a pile bridge with an iron draw. The original bridge was built in 1802-3. The piles of the present bridge were driven and the draw was built in 1877. That part of the bridge above the girder caps was rebuilt at a higher grade, and the draw was raised in 1895. The upper part of the draw has been painted and ordinary repairs made. The fender-guards are in poor condition; the top of the pier should be rebuilt; the waterway should be repaired; the woodwork on the sidewalks should be renewed; two iron brackets and the latches should be repaired and reset on solid wood.

Chelsea-street Bridge (from East Boston to Chelsea).

This is a wooden pile bridge, with an iron swing draw; the original bridge was built in 1834; was rebuilt in 1848, 1873, and again in 1894-95. A new wheel for operating the adjusting screw should be provided. The bridge is in good condition.

Circuit-drive Bridge (over Scarboro' Pond, in Franklin Park).

This is an elliptical masonry arch of 30 feet span and 6 feet 3 inches rise. It was built in 1893, and is maintained by the Park Department.

Columbus-avenue Bridges (over Boston & Albany R.R. and Providence Division N. Y., N. H. & H. R.R.).

The bridge over the Boston & Albany Railroad was built in 1876-77, and is maintained by the city. In 1899 the bridge was shortened 11 feet at its south end, and a pier built in place of the old south abutment.

The portion of the bridge above the floor has been painted during the year; the portion below the floor should be painted and a new lower flooring put in.

The bridge over the tracks of the N. Y., N. H. & H. R.R. was built in 1899, and is maintained by that company.

Commercial Point or Tenean Bridge (Dorchester).

This is a wooden pile bridge with a wooden leaf draw. The piles were driven in 1875. The westerly end of the north abutment was taken down and rebuilt; some of the caps, both leaves of the draw and all the woodwork above the caps that support the bridge were rebuilt last year; a few of the stringers outside the fence were not renewed. The bridge is in good condition.

Commonwealth-avenue Bridge (in the Fens).

This is an iron bridge, and was built in 1881-82. It is now in good condition.

Congress-street Bridge (over Fort Point Channel).

This is a wooden pile bridge with an iron turn-table draw on a stone foundation, and was built in 1874-75. Only ordinary repairs have been made. Some of the fencing and sidewalk near the Boston end, part of the roadway flooring and the paving on the South Boston side of the draw are in very poor condition. The track circles are much worn, the fender-guards and wings on the waterway are in poor condition. The draw should be provided with new tracks, the lower chord should be uncovered, examined, repaired if necessary, and be painted; the centre of the bridge and part of the gutter and sidewalk should be uncovered, the poor timber and planking should be renewed, and the bridge repaved; and repairs are needed on the cross-bracing, fender-guards, ends of draw and draw landings; the roadway and sidewalk planking and four main piles need renewal.

Cornwall-street Bridge (over Stony brook, West Roxbury).

This is a small wooden bridge, built in 1892. It is in good condition.

Cottage Farm Bridge (over Boston & Albany R.R., Brighton).

The present bridge was built in 1895-96. With the exception of the plate girders on the outside lines of the bridge, and some special construction under the sidewalks, the superstructure is composed of twenty-inch steel beams filled between with brick arches and Portland cement concrete, on which is a wearing surface of Sicilian rock asphalt. The sheet lead on the lower flanges of the beams over the two

tracks used for local traffic has been removed during the year. The cinders discharged with the exhaust from the locomotives had cut away the lead so badly in places that it was not deemed safe to allow it to remain longer in its ragged condition over these tracks. The paint on the flanges of these beams which had been protected by the lead was found to be in such excellent condition that there was no occasion for repainting.

Cottage-street Foot-bridge (over flats, East Boston).

This is a wooden pile bridge, built in 1889, for foot travel only. Repairs have been made on the fences, planking and braces. The bridge is in poor condition. The filling has been carried out 375 feet beside the southerly end of the bridge, and this length of bridge, which is in the worst condition, could be abandoned, and connection be made with the filled street. Some of the stringers should be renewed, the bridge should be replanked, the fences repaired and painted. Some of the piles have begun to decay, and the cross-bracing should be renewed where necessary.

Dartmouth-street Bridges (over Boston & Albany R.R. and Providence Division, N. Y., N. H. & H. R.R.).

The bridge over the Boston & Albany Railroad was built in 1878-79, and is maintained by the city. Very extensive changes were made in this bridge in 1899 by the railroad companies, necessitated by the new location of the tracks of the N. Y., N. H. & H. R.R. leading to the South Station and the abandoning of the tracks connecting this road with the B. & A. R.R. The bridge is in good condition with the exception of the lower planking. This should be renewed this year in order to maintain the bridge in a safe condition.

The bridge over the tracks of the N. Y., N. H. & H. R.R. was built in 1899, and is maintained by the railroad company.

Dorchester-avenue Bridge (over Old Colony Division, N. Y., N. H. & H. R.R.).

This is a new steel bridge built in 1900 over the new location of the New York, New Haven and Hartford Railroad. It has two roadways and two sidewalks; the deck plank is 4-inch hard pine covered with a wearing surface of 2-inch spruce. The surface of the bridge is maintained by the city and the rest of the structure by the railroad company. It is in good condition.

Dorchester-street Bridge (over Old Colony Division, New York, New Haven & Hartford R.R.).

This is an iron bridge, built in 1869. It is principally maintained by the railroad company, and was repaired and put in fair condition in 1893. The bridge is, however, too light a structure for the street-car traffic now passing over it, but as the railroad tracks are to be removed very soon and the bridge abandoned, it can be made to do service for a year or two longer if carefully looked after. The lower planking should be patched at once.

Dover-street Bridge (over Fort Point Channel).

This was originally a wooden pile bridge, built in 1805, rebuilt in 1858-59, and again in 1876. In 1893-94, upon the abolition of the grade crossing of the Old Colony Railroad, the present iron structure resting on masonry piers was built. The fences and roadway gates have been painted, the draw-piers have been repaired and general repairs have been made; some new track is needed for the draw; the rack should be realigned in order that the draw may be reversed; the masonry piers need repointing. (See page 88.)

Ellicott-arch Bridge (in Franklin Park).

This is a semi-circular masonry arch of 17 feet 6 inches span. It was built in 1889, and is maintained by the Park Department.

Essex-street Bridge (from Brighton to Cambridge).

This bridge is in the care of the Commissioners for the Boston and Cambridge bridges; the city pays one-half the cost of maintenance. It is a wooden pile bridge, with a wooden leaf draw, and was originally built in 1850; the draw was rebuilt and the adjoining stringers renewed in 1891; the other woodwork above the piles was renewed and some piles on the Boston side were driven in 1896. The sidewalk on the Cambridge side has been repaired, and ordinary repairs made. Some of the stringers adjoining the draw-arms have begun to decay.

The bridge should be painted; one Samson post needs additional fastening; the curb irons on the Cambridge side need regulating, and the staging under the bridge on the Boston side needs strengthening.

Everett-street Bridge (over Boston & Albany R.R., Brighton).

This is an iron bridge, built in 1891, by the Boston & Albany Railroad Company. As reported last year the bridge needs painting and slight repairs to some of the woodwork.

Federal-street Bridge (over Fort Point Channel).

This is a wooden pile bridge, with a double retractile iron draw, and was rebuilt in 1891-92. The trucks have been taken apart and cleaned; the draw has a new deck of 4-inch spruce; the tops of the floor-beams, portions of girders that were uncovered during repairs, and the machinery under the draw have been painted; the Boston Elevated Railroad Company has laid new rails on and adjacent to the draw, and general repairs have been made. The fence on the main bridge should be painted, the sidewalk resurfaced in part, the wharves and fender-guards repaired, and the middle rests for the draw reset. Some loose lumber has been caught in the piling, and should be removed; additional stops are needed for the draw, and a spare truck should be provided; some of the spur-shoes have begun to decay, and should be refitted; the irons on the waterway should be repaired.

Fen Bridge (in the Fens).

This bridge was rebuilt in 1891-93. It is in good condition.

Ferdinand-street Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1892. In 1899 this bridge was shortened about three feet at its southerly end, and the old south abutment replaced by a brick pier. The lower planking is in poor condition.

Forest Hills Entrance Bridge (in Franklin Park).

This bridge was built in 1894-95. It is maintained by the Park Department, and is in good condition.

Gold-street Bridge (over Midland Division, New York, New Haven & Hartford R.R.).

This bridge was built in 1895, replacing a foot-bridge which was built in 1890; the sidewalk planking should be renewed; the girders above the sidewalk should be painted, and the walls need some repointing; otherwise the bridge is in good condition.

Granite Bridge (from Dorchester to Milton).

This is a wooden pile bridge, with a wooden leaf draw. The city maintains the part within its limits. The bridge was originally built in 1837. It is in poor condition, and will soon need rebuilding; the abutment should be repaired; the piles are much worn; several of the stringers show considerable rot; the planking on the draw is decaying, and the tops of the piers are very poor.

Harvard Bridge (from Boston to Cambridge).

This is an iron bridge, with an iron turntable draw, and was built in 1887-91. The bridge is in the care of two Commissioners, one appointed from Boston and one from Cambridge, and the expense of maintenance is borne equally by each city.

During the year the roadway of the fixed spans of the bridge has been repaired and paved with wooden blocks. New wooden stringers of sizes sufficient for the heaviest electric cars were laid by the Boston Elevated Railway Company, and all other roadway stringers found to be decayed were replaced by sound timbers.

New roadway planking of 3-inch thick hard pine was laid, and the entire surface of the roadway paved with hard-pine blocks 4 inches deep. The planking and paving blocks which were treated by the creo-resinate process were furnished and laid by the United States Wood Preserving Company of New York.

The tops of the main girders of the bridge were well painted during the progress of the work. The sidewalks of the bridge are almost constantly under repair, and should be rebuilt in the near future. The iron railings should be repainted.

Harvard-street Bridge (over Midland Division, New York, New Haven & Hartford R.R., Dorchester).

The sidewalks are supported by the city, the roadway by the railroad; the brickwork under one of the walks needs repairing, and the stringers under the roadway should be overhauled.

Huntington-avenue Bridge (over Boston & Albany R.R.).

This is an iron bridge. It was built in 1872, and in 1876-77 the abutments were rebuilt and the bridge widened

by the addition of two new girders. In 1896, in consequence of changes in the grade of the avenue, the floor was entirely rebuilt, the ironwork thoroughly cleaned and painted, and new girders added for supporting the water-pipes. The bridge is in good condition, but will need painting in another year.

Ipswich-street Bridge (over Waterway in the Fens).

The bridge was built in 1898, and is in good condition.

Irvington-street Foot-bridge (over Providence Division, New York, New Haven & Hartford R.R.).

This is an iron foot-bridge, and was built in 1892. The ironwork was painted during the year, and the bridge is now in good condition.

L-street Bridge (over Reserved Channel, South Boston).

This is a wooden pile bridge, with an iron retractile draw. It was built in 1892. A new sidewalk has been laid on the up-stream side of the draw; general repairs have been made; some of the piling in the fender-guard and under the six-foot walk needs renewal; the iron girders and fencing need repainting; one of the sidewalks needs patching with concrete; the down-stream sidewalk and roadway deck plank have begun to decay and will soon need renewal; some caps on the pier and low-water girders on pier and bridge have been somewhat damaged by vessels; more riprap should be placed in front of the east abutment.

Leverett-Pond Foot-bridge (in Leverett Park).

This is a segmental masonry arch of 24 feet span and 5 feet 5 inches rise. It was built in 1894, and is maintained by the Park Department.

Leyden-street Bridge (over Boston, Revere Beach & Lynn R.R.).

(See Bennington-street bridge.)

Linden Park-street Bridge over Stony Brook.

This is a wooden bridge, built in 1887. The sidewalk planking is very thin, and should be renewed, and the entire bridge painted.

Longwood-avenue Bridge (over Muddy River and Boston & Albany R.R.).

The original wooden structure was built in 1857, and rebuilt in 1877. The present masonry arches were erected in 1899 by the Park Departments of Boston and Brookline, and are maintained jointly by them.

Malden Bridge (from Charlestown to Everett).

(See page 98.)

Massachusetts-avenue Bridge (over Boston & Albany R.R.).

This is an iron bridge, built in 1876. It was thoroughly repaired in 1893, with the exception of the wooden fences. These fences are now in very poor condition, and should be rebuilt, and the sidewalks should be resurfaced.

Massachusetts-avenue Bridge (over Providence Division, New York, New Haven & Hartford R.R.).

This is an iron bridge, built in 1876. During the past year the entire bridge has been painted, new stringer put in on southerly sidewalk and the surface replanked. In the middle roadway the Street Railway Company has laid a new 54-inch rail, resting on independent stringers, and new lower planking has been put in. The bridge is now in good condition.

Mattapan Bridge (from Dorchester to Milton).

The city maintains the part within its limits. This is an old iron bridge, and is in poor condition, and will soon be replaced by a concrete arch bridge, which is now being built by the Metropolitan Park Commission.

Meridian-street Bridge (from East Boston to Chelsea).

This is a wooden pile bridge, with a wooden turn-table draw on a pile foundation. The original structure was built in 1858. It was rebuilt soon afterwards, and was widened and rebuilt in 1884, excepting the draw, which was built in 1875-76. The chords of the draw were rebuilt in 1896. The top of the draw has been painted, and a few repairs have been made. The waterways are in poor condition; some of the piles should be replaced; the ribbons, caps, planking and irons need renewal in places; the wharf should be redecked;

the facias on the sidewalks are getting poor; the stringers and bulkhead at the Boston end of the channel need strengthening; the draw should be furnished with some new rack; the track is getting much worn; one pile under the sidewalk should be spliced; the fences should be painted; one of the main truss rods is broken, and a new one should be furnished; the pier is in poor condition.

Milton Bridge (from Dorchester to Milton).

The city maintains the part within its limits. The original structure is very old. It was widened in 1871-72. The older part of this bridge was built of stone, and the widening is an iron structure on stone columns. The westerly sidewalk was rebuilt on new iron girders and floor beams in 1900. The fences have been painted, and some repairs made on one sidewalk. The bridge should be painted, and the sidewalk planking on the down-stream side of the bridge should be renewed in part; one of the cap-stones over the first waterway is cracked.

Mt. Washington-avenue Bridge (over Fort Point Channel).

This is a wooden pile bridge, with an iron draw. It was built in 1854, and rebuilt in 1870-71; this bridge is in poor condition. It has the only draw of importance in the city that is moved by hand-power; the draw-pier is in poor condition, and is so low that it is covered with water at every high course of tides; the sidewalks, draw landings, bracing on bents, roadway pavement and one of the fender-guards are in very poor condition; the waterways are out of repair; the foundation of the house is in poor condition. The bridge should be rebuilt. (See page 89.)

Neponset Bridge (from Dorchester to Quincy).

The city maintains the part within its limits. The original structure was built in 1802, and the present one in 1877. The draw is too heavy to be handled by hand, and should be replaced by a turn-table draw. General repairs have been made. The up-stream draw arm is bent and should be repaired; the piers and fender-guards need extensive repairs; the blocking, planking, stringers near the gudgeons and gears, and the bearing plate at the abutment are in poor condition, and should be renewed.

Neptune-road Bridge (over Boston, Revere Beach & Lynn R.R.).

This is an iron bridge, built in 1887-88, and is maintained by the Park Department. The roadway planking should be renewed; otherwise the bridge is in good condition.

Newton-street Bridge (over Providence Division, New York, New Haven & Hartford R.R.).

This is an iron bridge, built in 1872. The lower planking and stringers are very poor and should be renewed this season. The bridge should at the same time be thoroughly cleaned and painted below the flooring.

North Beacon-street Bridge (from Brighton to Watertown).

The city maintains the part within its limits. This is a wooden pile bridge with a wooden leaf draw. The original structure was built in 1822, and the present one in 1884. The draw fastenings have been repaired and the deck has been patched. As was reported last year, the bridge is in poor condition; several of the draw arms, some of the piles, the deck planking, and the woodwork of the pier need renewal.

North Harvard-street Bridge (from Brighton to Cambridge).

The city maintains the part within its limits. This bridge was originally built in 1662, and was rebuilt, except the piling, in 1879; the draw was built in 1891. The bridge is in the care of the Commissioners for the Boston and Cambridge bridges; the city pays one-half the cost of maintenance. The bridge has been redecked, 3-inch spruce being used on the draw and 4-inch plank on the main bridge; a small amount of repairing has been done on the stringers and fence, and one pile has been spliced. The abutment, piling and fence are in poor condition; the counterbalances need additional rear strikers. This bridge should be replaced with a new and wider structure, more in keeping with the improvements recently made in the vicinity.

Perkins-street Foot-bridge (over the B. & M. R.R. and B. & A. R.R. in Charlestown).

This bridge was built in 1900, and opened to travel February 2, 1901; it has two spans of wooden stringers and one of steel Pratt trusses. The surface is maintained by the city, the rest of the structure by the railroad companies. It should be painted.

Prison-Point Bridge (from Charlestown to Cambridge).

This bridge was originally built in 1833, and the present structure was built in 1876-77. It is a wooden pile bridge, with an iron leaf draw. The bridge is in the care of the Commissioners for the Boston and Cambridge bridges; the city pays one-half the cost of maintenance. The bridge is in poor condition; the stringers near the gudgeons are rotten, the draw-arms are bent and broken, the piers, draw-planking and one sidewalk are in poor condition; this bridge will probably be soon rebuilt at a higher grade, owing to the abolishing of the grade crossing of the Boston & Maine Railroad.

Public Garden Foot-bridge.

This is an iron bridge. It was built in 1867, and was thoroughly repaired in 1887. It is now in good condition.

Scarboro' Pond Foot-bridge (in Franklin Park).

This is an elliptical masonry arch of 40 feet span and 8 feet 3 inches rise. It was built in 1893, and is maintained by the Park Department.

Shawmut-avenue Bridge (over Boston & Albany R.R. and Providence Division, N. Y., N. H. & H. R.R.).

This is an iron bridge, built in 1871, and although it was cleaned and painted in 1897, parts of it, particularly over the main tracks of the B. & A. R.R., are very rusty. The shelf angle seats over the main tracks are so badly eaten away by rust that the bridge should be stripped at once and some temporary means provided for supporting the stringers. It will be necessary to rebuild this bridge within the next two years if heavy street cars are to continue to run over it.

Sixth-street Bridge (over Midland Division, New York, New Haven & Hartford R.R.).

The older portion of this bridge was built about 1891. During the past year the easterly abutment was removed and a new one built about 14 feet easterly; the new portion of the bridge is stringered and planked, the adjoining ends of both portions are supported by a row of posts; the fences have been rebuilt and painted. The bridge is in good condition.

Southampton-street Bridges (over South Bay Sluices).

These are wooden bridges, built in 1875, as temporary structures. The easterly bridge needs three additional braces and some planking to retain the filling; the wing bulkheads are in poor condition, the main structure in fair condition. The westerly bridge is in poor condition; the upper part of the piling is considerably rotten, and the northerly sidewalk needs renewal.

Southampton-street Bridge (over Old Colony Division, N. Y., N. H. & H. R.R.).

(See page 99.)

Spring-street Bridge (from West Roxbury to Dedham).

This is a stone bridge. The city maintains the part within its limits. It is in good condition.

Stony-brook Bridge (in the Fens).

This is an ornamental brick arched bridge, with stone facings, built in 1891-92, and maintained by the Park Department. It is in good condition.

Summer-street Bridges (over A, B, and C streets).

These bridges were built in connection with the abolition of the grade crossing on Congress street and were opened to travel in 1900. The bridge over A street is a steel deck-plate girder structure, with a paved roadway of granite blocks, and asphalt sidewalks.

The bridge over B street is a through plate-girder structure, with a paved roadway of granite blocks and asphalt sidewalks. During the past year a flight of iron stairs has been built from the northerly sidewalk to B street.

The bridge over C street is a two-span steel-beam structure, with brick and concrete arches turned between the beams; the roadway is paved with granite blocks and the sidewalks with asphalt.

All these bridges are in good condition.

Summer-street Bridge (over Fort Point Channel).

This bridge was built in 1899-1900, in connection with the abolition of the grade crossing on Congress street. It is a four-span, deck-plate girder bridge, resting on masonry piers, with two retractile draws, over a 50-foot channel way.

The roadway of the fixed spans has a granite block paving, and the sidewalks have asphalt wearing surfaces. The whole structure is in good condition.

Summer-street Bridge (over New York, New Haven & Hartford Railroad Freight Tracks).

This bridge was built in 1900, in connection with the abolition of the grade crossing on Congress street, and is maintained by the city and the railroad company, the former maintaining the wearing surface and the latter maintaining the rest of the structure. It has four spans, consisting of three through trusses each, and has a granite-paved roadway and asphalt sidewalks. It is in good condition.

Swett-street Bridges.

(See Southampton-street bridges.)

Tremont-street Bridge (over Muddy River).

This is a semi-circular masonry arch of fifteen feet span. It was built in 1893, and is maintained by the Park Departments of Boston and Brookline.

Warren Bridge (from Boston to Charlestown).

This is a wooden pile bridge, with a double retractile iron draw. The present structure was built in 1883-84. The track timbers have been repaired and ordinary repairs made. Some of the piles under the wharf supporting the draw-tender's house are broken; the fender-guards are in poor condition; the paving, planking on the waterway, the sidewalk near Lovejoy's Wharf, and one pile near the draw-way need repairing; the deck of the draw and some of the stringers need renewal; the landing shoes should be reset, and the curb should be realigned; the sidewalk near the railroad tracks, city end, should be extended about twenty feet.

West Boston Temporary Bridge (from Boston to Cambridge).

This bridge was built in 1898-99 to accommodate the travel using West Boston bridge till the Cambridge bridge should be built; it is in care of the Commissioners for the Boston and Cambridge bridges; the city pays one-half the cost of maintenance; the bolting of the entire bridge has been overhauled, and the dolphin has been rebuilt; a few of the roadway planks have begun to decay, and need renewal, and the bolting, latches and fencing at the easterly draw need slight repairs. Otherwise the bridge is in good condition.

West Fourth-street Bridge (over Old Colony Division, New York, New Haven & Hartford R.R.).

In 1893-94 the grade crossing of the Old Colony Railroad on this street was abolished, and an iron bridge built, extending from the end of Dover-street bridge at the South Boston side of Fort Point channel to the easterly line of Foundry street. The surface is maintained by the city, the rest of the structure by the railroad company. The deck planking is in very poor condition, and should be renewed; the platform over the middle girders should be replanked, and the bridge should be painted.

West Rutland-square Foot-bridge (over Providence Division, New York, New Haven & Hartford R.R.).

This is an iron foot-bridge, built in 1882. It has been painted during the year, and is now in good condition.

Western-avenue Bridge (from Brighton to Cambridge).

The present bridge was built in 1879-80, and the draw in 1891. It is in the care of the Commissioners for the Boston and Cambridge bridges, and the city pays one-half the cost of maintenance. A new fender-guard has been built, and minor repairs made; the piers and waterway need repairing; the deck planking on the draw should be renewed; the fences on the Boston side should be put in good condition, and the bridge should be painted; some of the piles on the Boston side of the channel are in poor condition, and will soon need renewal; the staging on the Cambridge side should be repaired.

Western-avenue Bridge (Brighton to Watertown).

The city maintains the part within its limits. This is a wooden pile bridge, with an iron draw, and was rebuilt in 1892-93. Only minor repairs has been made; a larger latch is needed at the Watertown end of the draw; the Boston end of the draw should be raised, and the centre taken out and adjusted; the bearings should also be adjusted; the angles of the up-stream pier and fender-guards are broken, and should be repaired, and scupper holes should be made in the flooring of the draw foundation inside the track circle.

Winthrop Bridge (from Breed's Island to Winthrop).

This is a pile bridge without a draw. It was originally built in 1839; it was rebuilt in 1851, and was extensively repaired in 1870, and some of the piling was renewed last year. The abutment at the Winthrop end needs pinning up, as there has been some settlement; a few of the outside bolsters are not in good condition. Otherwise the bridge is in fair condition.

(See page 89.)

Wood Island Park Foot-bridge.

This is a steel foot-bridge, built in 1898-99, and connects Prescott street, East Boston, with Wood Island Park, spanning the tracks of the Boston, Revere Beach & Lynn Railroad. The walls need pointing and the bridge should be painted.

Bridges wholly Supported by Railroad Corporations.

The bridges maintained by the several railroad companies are in good or fair condition, with the exceptions noted. Several of the bridges over the Midland Division, N. Y., N. H. & H. R.R., have been repaired; the Norfolk-street bridge, near Mattapan Station, has been removed, and a temporary bridge built, which will soon be replaced by a new iron bridge; repairs are needed on Fourth street, Norfolk street, near Dorchester Station, Harvard street and Washington street bridges, over the Midland Division.

SURVEYING DIVISION.

The work of the Surveying Division has consisted of making such surveys and plans as have been required by the several city departments; also giving street lines and grades upon application of owners about to build upon public streets.

The departments requiring the largest amount of service from this division being, as in former years, the Street Department and the Street Laying-Out Department.

The Street Department, on account of the large amount of repair work performed, has made large demands upon this division.

There has also been much new work which has required the marking of lines and grades of streets recently laid out.

A new set of plans has been made for the construction of Columbia road, from Dorchester avenue to Marine park.

Considerable work has been done on Blue Hill avenue at Mattapan.

Plans have been made for the purpose of revising the grades of streets affected by the change of location of the Providence Division of the New York, New Haven and Hartford Railroad, between Dartmouth street and the South Terminal.

The abolition of the grade crossing at Charlestown, by the Boston and Maine Railroad and at Mattapan by the New England Railroad, have necessitated the revision of street grades, for which plans have been made.

One hundred and twenty-one petitions to construct catch-basins have been received and reported upon to the Sewer Division.

Seventy-six plans have been furnished the Sewer Division, showing proposed catch-basin locations, in addition to seventy-three plans of locations furnished at the request of the Street Commissioners.

Two hundred and fifteen plans were examined for the Permit Office, upon which the locations of proposed future catch-basins were shown.

Four hundred and twenty-two catch-basin locations have been staked out, and duplicate sketches of the same sent to the Sewer Division.

Two hundred and fifteen notices of contracts to lay artificial stone sidewalks were received and reported upon to the Paving Division.

In eighty-eight cases the Paving Division was notified that the edgestone should be reset.

Twenty-nine petitions to make sidewalk openings were received and reported upon to the Paving Division.

Seventy-five requests for edgestone were received, examined and reported upon to the Paving Division.

The Street Department was furnished twenty-five plans for the purpose of making sidewalk assessments.

The data was also furnished for sidewalk assessment in relation to forty-two estates.

The lines and grades of the following fifteen streets, for which the Street Commissioners were petitioned for authority to open as private ways, were examined and reported upon :

Dunnell street, West Roxbury. Baker street to Heldun street.
Heldun street, West Roxbury. Gardner street to Highland Ice Company railroad.

Fiske Terrace, Brighton. Southeast from Homes avenue.

Marshall terrace, Brighton. Southeast from Homes avenue.

Chisholm terrace, Roxbury. Warren street towards Otisfield street.

Chase street, Dorchester. Willis street to East Cottage street.

Hobson street, Brighton. Faneuil street to Hobart street.

Grove park, Roxbury. Grove street to Lawrence avenue.

Asticou road, West Roxbury. Walk Hill street to South street.

Chororua street, West Roxbury. Walk Hill street, south-westerly, at Asticou road.

Lambert street extension, Roxbury. Lambert avenue to Bartlett street.

Harleston street, Roxbury. Calumet street to Parker Hill avenue.

Empire street extension, Brighton. North Harvard street to Cambridge street.

Penhallow street, Dorchester. Mather street to Melville avenue.

Soudan street extension, Dorchester. Sagamore street to Dorchester avenue.

Estimates of construction, land or grade damage were furnished the Street Commissioners in connection with forty-two streets.

Two hundred and fifty-eight plans and profiles, representing a total length of nineteen and a quarter miles, showing 1,390 buildings, property owners, names, established grades, areas of land taken, or to be taken, for street widenings or relocations, public alleys, etc., were completed for the Street Laying-Out Department.

Among the more important being an extension of Shawmut avenue to Washington street and Heath street, from Huntington avenue to South Huntington avenue at Roxbury; Walter street,

from Centre street to South street and Gardner street, from Gardner street to High street, at West Roxbury.

Plans have been made of eleven passageways for the purpose of laying them out as Public Alleys.

Seventy-two plans have been made for the purpose of assessing benefits occasioned by the laying-out and construction of new streets.

A plan showing the estates included in the territory bounded by Washington street, Milk street, Atlantic avenue and Kneeland street, has been prepared for the purposes of assessing the benefits occasioned by the location of the South Terminal and relocation and extension of Summer street and Atlantic avenue.

Plans have been made for the Cemetery Commission of the Hawes Cemetery at South Boston and the Evergreen Cemetery at Brighton.

The following plans of sites for new school-houses have been made for the Street Commissioners, upon request to purchase by the Schoolhouse Commission, viz., Horace street, corner of Byron street, at East Boston; Huntington avenue, corner of Kenwood road and Heath street, near Day street, at Roxbury; Westville street, between Head street and Bowdoin square and Columbia road, near Greenhalge street, at Dorchester; and School street, between Washington street and Amory street, at West Roxbury.

Plans of sites for other public buildings include a lot on Blossom street, Boston proper, for a ward-room; and Columbia road, Dorchester, for a Municipal Building; also a large addition to the land occupied by the Boston Insane Asylum, on Canterbury street, West Roxbury.

In connection with the Surveying Division there have been 2,325 titles examined, 1,399 deeds and 335 plans copied from the Registry of Deeds.

The following list gives the number of orders attended to for property owners, builders, and the various city departments, from February 1, 1901, to February 1, 1902:

Street lines given	420
Street grades given	349
Street Department, Paving Division	2,569
Street Department, Sewer Division	854
Buildings Department	203
Public Buildings Department	42
Public Grounds Department	2
Law Department	81
Street Commissioners	358
Engineering Department	141
Park Department	3
Board of Health	2

Carried forward 5,024

<i>Brought forward</i>	5,024
City Hospital Department	9
Police Department	15
Fire Department	1
Cemetery Department	5
Institutions Department	1
School Committee	12
Mayor and City Council	1
Total	<u><u>5,068</u></u>

Twenty-nine hundred and forty-three blue prints have been made during the year.

List of plans for sewerage works made during the year ending January 31, 1902.

ROXBURY.

Washington place. — Roxbury street to Vernon street.

DORCHESTER.

Canterbury brook. — Morton street to Main channel.

Davenport brook. — Fuller street to Dorchester avenue.

Freeport street brook. — Hancock street to High street.

Franklin field brook. — Harvard street to Talbot avenue.

Mattapan brook. — Blue Hill avenue to New England Railroad.

Oakland brook. — Tokio street to Neponset river.

Tenean creek. — Shelton street to Ashmont street.

BRIGHTON.

Faneuil Valley brook. — Faneuil street to Parsons street.

Faneuil Valley brook. — At Washington street.

WEST ROXBURY.

Spring street brook. — La Grange street to Providence Railroad.
(Not taken.)

The following list gives the principal sewerage works staked out for construction, during the year ending January 31, 1902.

SOUTH BOSTON.

Columbia road. — G street to I street.

Columbia road. — G street to H street.

Columbia road. — M street to P street.

EAST BOSTON.

East Boston low level sewer. — Revere line to Boston, Revere Beach and Lynn Railroad.

Farrington street. — Staked out street.

Bennington street. — Wadsworth street to Revere line.

DORCHESTER.

Avondale place. — Richmond street to Ruggles place.

Canterbury brook. — Blue Hill avenue to Callender street.

Franklin field brook. — Harvard street to Talbot avenue.

Mattapan brook. — Blue Hill avenue to New England Railroad north of Norfolk street.

Rosemont road. — Southeast side.

Shoreham street. — Carson street to Old Colony Railroad.

Tenean creek. — Geneva avenue to Marlowe street.

Tenean creek. — Wainwright street to Centre street.

WEST ROXBURY.

Florence street brook. — Hillside avenue and Poplar street.

Neponset avenue brook. — Neponset avenue to Hyde Park avenue.

Neponset avenue brook. — Hyde Park avenue.

Stony brook. — Green street to Cornwall street.

Stony brook. — Cornwall street to Boylston avenue.

BRIGHTON.

Allston street and Warren street. — Staked out line to Summit street.

Faneuil Valley. — Staked out Faneuil street to Parsons street.

The following table gives the monthly amounts of paving work measured by the Surveying Division of the Engineering Department for the year ending January 31, 1902 :

	Artificial Stone Sidewalk, Square Yards.	Feet of Edge- stone Set.	Square Yards, Block-stone Paving and Crossings.	Square Yards, Round-stone Paving.	Square yards, Brick Paving.	Coal Tar Con- crete, Sq. Yds.
February.....	37					
March.....	224					
April.....	183					
May.....	94	14,645	11,949	2,247	4,306	30
June.....	2,214	47,030	27,735	10,873	23,538	61
July.....	1,611	45,161	32,927	7,531	31,427	4
August.....	2,269	37,585	32,814	4,827	26,019	287
September.....	1,856	29,326	30,487	1,781	17,390	
October.....	1,125	30,562	22,023	1,664	13,336	221
November.....	3,445	27,150	19,912	801	10,220	
December.....	1,816	11,516	9,942	37	5,216	52
January.....	691	2,435	252	563	35	43
Totals.....	15,565	245,410	188,041	30,324	131,487	698

The following table gives the amounts of paving work measured by the Surveying Division of the Engineering Department for the year ending January 31, 1902, by districts:

DISTRICTS.	Artificial Stone Sidewalk, Square Yards.	Feet of Edge- stone Set or Reset.	Square Yards, Block-stone Paving and Crossings.	Square Yards, Round-stone Paving.	Square Yards, Brick Paving.	Coal Tar Con- crete, Square Yards.
Boston Proper.....	4,823	62,529	86,711	17	56,125	
South Boston.....	209	28,111	16,542	5,247	17,372	
East Boston.....	497	11,644	4,568	3,444	12,758	
Charlestown.....	16	16,045	3,812	3,339	10,120	
Roxbury	4,467	46,126	30,216	3,609	23,683	
Dorchester	5,256	48,996	25,106	2,441	8,206	43
West Roxbury.....	194	19,798	9,584	9,001	2,555	321
Brighton	103	12,161	11,502	3,226	668	334
Totals	15,565	245,410	188,041	30,324	131,487	698

The following table gives the comparative annual amounts of paving work measured by the Surveying Division of the Engineering Department for eight years:

YEAR ENDING JANUARY 31.	Feet of Edge- stone Set or Reset.	Square Yards, Block-stone Paving and Crossings.	Square Yards, Round-stone Paving.	Square Yards, Brick Pav- ing.	Square Yards, Artificial Stone.	Square Yards, Coal Tar Concrete.	Square Yards, Asphalt Pav- ing.
1895	23,487	12,007	5,175	16,168	3,962	11,738	1,406
1896.....	129,383	60,472	32,940	68,701	12,296	183	1,297
1897.....	120,158	64,952	24,976	68,178	13,471	2,971	394
1898.....	154,718	100,414	36,658	94,003	13,599	4,019	27
1899.....	76,991	56,541	14,249	43,930	11,652	1,619	
1900.....	86,354	60,803	17,323	48,946	14,221	789	16
1901.....	264,982	161,428	61,356	147,863	16,541	489	2,377
1902.....	245,410	188,041	30,324	131,487	15,565	698	

As a matter of record, the following list is given of the work done for the Paving Division of the Street Department, from February 1, 1901, to February 1, 1902 :

CITY PROPER.

(North of Massachusetts avenue.)

- Albany street*, Dedham street to Plymouth street. Measurement of edgestones, roadway and sidewalk paving.
- Albany street*, at Oak street. Measurement of roadway paving.
- Albany street*, at Curve street. Measurement of edgestone, roadway and sidewalk paving.
- Allen street*, Blossom street to Charles street. Measurement of edgestones, gutter, crossing and sidewalk paving.
- Alley*, from Wareham street to Plympton street and Plymouth street. Plan and profile for proposed grade, grade for paving, and measurement of roadway paving.
- Alley*, from Clarendon street, at Engine 22. Line and grade for edgestone and measurement of edgestone, roadway and sidewalk paving.
- Arlington street*, northeast side, No. 10 to Beacon street. Measurement of edgestone and sidewalk paving.
- Arlington street*, Boylston street to Newbury street. Measurement of edgestone.
- Atlantic avenue*, No. 389. Grade of edgestone tested for area.
- Atlantic avenue*, westerly corner, East st. Street grade of edgestone tested, line and grade for edgestone, grade of edgestone tested (twice), grade for inside and measurement of sidewalk paving.
- Batterymarch street*, southerly corner Milk street. Line and grade for edgestone (twice), line and grade for edgestone tested, measurement of edgestone, roadway and sidewalk paving.
- Beach street*, at Utica street. Measurement of edgestone, roadway and sidewalk paving.
- Beach street*, at Lincoln street. Measurement of roadway paving.
- Beacon street*, south side, Charles street to Arlington street. Measurement of edgestone, crossing and sidewalk paving.
- Beacon street*, Nos. 222-224. Measurement of sidewalk paving.
- Beacon street*, southwest corner Dartmouth street. Line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Beacon street*, No. 420. Measurement of sidewalk paving.
- Belvidere street*, southeast corner Falmouth street. Grade of edgestone tested.
- Belvidere street*, West Newton street to Falmouth street. Measurement of driveway paving.
- Belvidere street*, No. 11. Measurement of edgestone, gutter and sidewalk paving.

- Belvidere street*, Nos. 55-57. Line and grade for edgestone, line and grade for edgestone tested, measurement of edgestone, gutter and sidewalk paving.
- Belvidere street*, No. 59. Line and grade for edgestone, line and grade for edgestone tested, measurement of edgestone, gutter and sidewalk paving.
- Beverly street*, northeast side, Causeway street to Washington street, north. Measurement of edgestone, roadway and sidewalk paving.
- Blackstone street*, Nos. 15 to 18. Grade of edgestone tested.
- Blackstone street*, No. 18. Measurement of sidewalk paving.
- Blagden street*, northwest side, Huntington avenue to Exeter street. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Blagden street*, Nos. 24-26. Measurement of sidewalk paving.
- Blossom street*, at ward-room. Line and grade for edgestone.
- Blossom street*, Allen street to No. 42. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Boylston place*, at Boylston street. Measurement of roadway paving.
- Boylston street*, north side, Head place to Washington street. Measurement of roadway paving.
- Boylston street*, Tremont street to Boylston place. Measurement of edgestone, gutter, roadway and sidewalk paving.
- Boylston street*, No. 128. Measurement of sidewalk paving.
- Boylston street*, No. 310. Grade of edgestone tested, grade for inside, and measurement of sidewalk paving.
- Boylston street*, south corner Exeter street. Measurement of edgestone, gutter and crossing paving.
- Boylston street*, No. 761. Line and grade for edgestone, grade of edgestone tested, and measurement of edgestone, gutter and sidewalk paving.
- Boylston street*, No. 797. Grade of edgestone tested, grade for edgestone, grade of edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Boylston street*, east corner Hereford street. Measurement of crossing paving.
- Boylston street*, north side, at Boston & Albany bridge. Measurement of sidewalk paving.
- Canal street*, at Haymarket square, City Hospital. Grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of edgestone, roadway and sidewalk paving.
- Chambers street*, No. 128. Grade of edgestone tested, grade for inside for area.
- Charles street*, Beacon street to Boylston street. Measurement of roadway and sidewalk paving.
- Chatham street*, No. 5. Grade for inside for area.
- Chatham street*, No. 10. Grade for edgestone tested, and grade for inside for area.

- Chauncy street.* Measurement of roadway paving.
- Clinton street,* Atlantic avenue to Commercial street. Measurement of edgestone, roadway and sidewalk paving.
- Commonwealth avenue,* at Arlington street. Measurement of crossing paving.
- Congress street,* No. 241. Grade of sidewalk inspected in regard to area.
- Congress street,* No. 289 to Dorchester avenue. Measurement of edgestone, roadway and sidewalk paving.
- Court street,* Nos. 179 to 187. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Cross street,* Hanover street to North street. Measurement of edgestone, roadway and sidewalk paving.
- Cumston street,* Rutland street to Concord street. Measurement of edgestone, gutter and sidewalk paving.
- Cumston place,* Cumston street to Shawmut avenue. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Dartmouth street,* southeast corner Harwich street. Line and grade for edgestone, line and grade for edgestone tested and grade for inside and measurement of sidewalk paving.
- Dartmouth street,* south corner of Commonwealth avenue. Grade of edgestone tested (twice), and measurement of edgestone, gutter and sidewalk paving.
- Dartmouth street,* at Marlborough street. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Dartmouth street,* south corner Beacon street. Grade for edgestone, grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Devonshire street,* No. 3. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Dundee street,* near south corner Dalton street. Grade of edgestone tested and measurement of sidewalk paving.
- East Brookline street,* near Harrison avenue. Measurement of sidewalk paving.
- East Canton street,* Albany street to Washington street. Measurement of edgestone, gutter, crossing and sidewalk paving.
- East Newton street,* Washington street to Harrison avenue. Measurement of edgestone, gutter, crossing and sidewalk paving.
- East Springfield street,* Washington street to Harrison avenue. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Edinboro' street,* Nos. 10-12. Measurement of sidewalk paving.
- Endicott street,* Causeway street to Thacher street. Grade for edgestone, measurement of edgestone, roadway and sidewalk paving.
- Endicott street,* Cross street to Cooper street. Measurement of edgestone, roadway and sidewalk paving.
- Essex street,* at Lincoln street. Measurement of roadway paving.
- Exeter street,* at Marlboro' street. Measurement of edgestone, gutter and sidewalk paving.

- Exeter street*, at west corner Boylston street. Measurement of edgestone, gutter and crossing paving.
- Fairfield street*, at Marlboro' street. Measurement of edgestone, gutter and sidewalk paving.
- Fairfield street*, at Commonwealth avenue, to Newbury street. Measurement of edgestone, gutter and sidewalk paving.
- Fairfield street*, Boylston street, to Newbury street. Measurement of crossing.
- Falmouth street*, corner West Newton street. Measurement of sidewalk paving.
- Falmouth street*, No. 93 to St. Paul street. Measurement of edgestone, gutter and sidewalk paving.
- Falmouth street*, at Chickering Hall. Line and grade for edgestone tested (twice), line and grade for edgestone, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Falmouth street*, easterly corner Massachusetts avenue. Line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Federal street*, southerly corner High street. Grade of edgestone tested, and measurement of sidewalk paving.
- Friend street*, No. 257. Grade of edgestone tested for area.
- Gloucester street*, at Marlboro' street. Measurement of edgestone, gutter, and sidewalk paving.
- Gloucester street*, easterly side Commonwealth avenue to Public Alley No. 432. Grade of edgestone tested, line and grade for edgestone, grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Gloucester street*, northeast side, Boylston street to Commonwealth avenue. Measurement of edgestone, gutter and sidewalk paving.
- Gloucester street*, westerly side Newbury street to Boylston street. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Harrison avenue*, northwest side Bedford street to Chickering place. Grade of edgestone tested, grade for edgestone, grade of edgestone tested and measurement of sidewalk paving.
- Harrison avenue*, Beach street to Kneeland street. Measurement of edgestone, roadway and sidewalk paving.
- Harrison avenue*, East Canton street, to Hamburg street. Measurement of edgestone, roadway and sidewalk paving.
- Harrison avenue*, easterly side City Hospital entrance to East Canton street. Measurement of sidewalk paving.
- Harrison avenue*, at Massachusetts avenue. Measurement of edgestone, gutter crossing and sidewalk paving.
- Harwich street*, southeast corner Dartmouth street. Grade of edgestone tested.
- Haven street*, Rutland street to Shawmut avenue. Measurement of edgestone, gutter and sidewalk paving.

- Haverhill street*, easterly side Traverse street to Causeway street. Measurement of edgestone, roadway and sidewalk paving.
- Haverhill street*, at City Hospital. Measurement of edgestone, roadway and sidewalk paving.
- Haymarket square*, front of City Hospital. Line and grade for edgestone, line and grade of edgestone tested, grade for inside, and measurement of edgestone, roadway and sidewalk paving.
- Hereford street*, at Marlboro' street. Measurement of edgestone, gutter and sidewalk paving.
- Hereford street*, Public Alley No. 431 to Public Alley No. 443. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Hereford street*, westerly side Newbury street to Public Alley No. 430. Measurement of edgestone, gutter and sidewalk paving.
- High street*, southerly corner Federal street. Grade for edgestone and measurement of sidewalk paving.
- Huntington avenue*, easterly corner Oxford terrace. Line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of edgestone, gutter, crossing and sidewalk paving.
- Huntington avenue*, at Boston & Albany freight-yard entrance. Measurement of roadway paving.
- Huntington avenue*, at Chickering Hall. Line and grade for edgestone, grade of edgestone tested, measurement of edgestone and sidewalk paving.
- Huntington avenue*, northerly corner Massachusetts avenue, at Horticultural Hall. Grade for edgestone, grade of edgestone tested, grade for inside and measurement of edgestone and sidewalk paving.
- India street*, No. 18. Grade of edgestone tested and grade for inside for area.
- India street*, Central street to Milk street. Measurement of edgestone, roadway and sidewalk paving.
- Kingston street*, Nos. 115-117. Measurement of sidewalk paving.
- Kingston street*, westerly side Beach street to Essex street. Plan and profile for revised grade.
- Kingston street*, easterly side Beach street to Tufts street. Plan and profile for revised grade.
- Knapp street*, at Harrison avenue. Measurement of edgestone, roadway and sidewalk paving.
- Kneeland street*, at Utica street. Measurement of edgestone, roadway and sidewalk paving.
- Leverett street*, No. 54. Grade of edgestone tested and grade for inside for area.
- Lincoln street*, Beach street to Essex street. Measurement of edgestone, roadway and sidewalk paving.
- Lincoln street*, Nos. 170-206. Line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.

- Marlboro' street*, No. 32. Measurement for assessment.
- Marlboro' street*, Clarendon street to Massachusetts avenue. Plan and profile of edgestone for revised grade, grade for edgestone and measurement of edgestone, gutter, crossing and sidewalk paving.
- Marlboro' street*, Nos. 390-392. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Massachusetts avenue*, Nos. 226-228. Grade of edgestone tested, grade for edgestone, grade of edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Massachusetts avenue*, at Horticultural Hall. Grade of edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Massachusetts avenue*, northerly side Washington street to Albany street. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Mercantile street*, South Market street to Clinton street. Grade for edgestone and measurement of edgestone, roadway and sidewalk paving.
- Mercantile street*, southeast side, Clinton street to Richmond street. Grade for edgestone.
- Milk street*, southerly corner Batterymarch street. Line and grade for edgestone (twice), line and grade for edgestone tested, and measurement of edgestone, gutter and sidewalk paving.
- Mystic street*, near East Brookline street. Grade of edgestone tested and measurement of driveway paving.
- Newbury street*, at Arlington street. Measurement of crossing paving.
- North Grove street*, at City Yard. Grade for edgestone.
- North Russell street*, Cambridge street to Parkman street. Measurement of edgestone, roadway and sidewalk paving.
- Norway street*, Huntington avenue to Falmouth street. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Norway street*, east corner Massachusetts avenue. Grade of edgestone tested and grade for inside for area.
- Oak street*, Albany street to Harrison avenue. Measurement of edgestone, roadway and sidewalk paving.
- Park square*, at Providence street. Measurement of roadway paving.
- Pinckney street*, Nos. 91-93. Grade of edgestone tested and measurement of sidewalk paving.
- Pleasant street*, at corner Tremont street (subway). Grade for edgestone.
- Pleasant street*, Shawmut avenue to Tremont street. Measurement of edgestone, roadway and sidewalk paving.
- Poplar street*, No. 7. Grade of edgestone tested and grade for inside for area (twice).
- Portland street*, Causeway street to Traverse street. Measurement of roadway paving.

- Portland street*, west corner Sudbury street. Line and grade for edgestone, line and grade for edgestone tested and measurement of sidewalk paving.
- Portland street*, No. 146. Grade of edgestone tested and grade for edgestone.
- Providence street*, Church street to Park square. Measurement of edgestone, roadway and sidewalk paving.
- Revere street*, No. 86. Grade of sidewalk inspected in regard to area.
- Rollins street*, south corner Washington street. Grade of edgestone tested and grade for inside for area.
- Rutland square*. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Rutland street*, Washington street to Tremont street. Measurement of edgestone, gutter, crossing and sidewalk paving.
- St. Germain street*, Nos. 58-62. Line and grade for edgestone and measurement of gutter and sidewalk paving.
- St. Paul street*. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Scotia street*, No. 21. Line and grade for edgestone.
- Scotia street*, Nos. 19 to 25. Measurement of edgestone, gutter and sidewalk paving.
- Sears street*, No. 7. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of sidewalk paving.
- Shawmut avenue*, Warrenton street to Wheeler street. Measurement of edgestone, roadway and sidewalk paving.
- Shawmut avenue*, northwest side, Compton street to Hingham street. Measurement of edgestone, roadway and sidewalk paving.
- Shawmut avenue*, at West Canton street. Measurement of roadway paving.
- Shawmut avenue*, southeast side, West Newton street to West Canton street. Measurement of edgestone, roadway and sidewalk paving.
- Shawmut avenue*, at Rutland street. Measurement of edgestone, roadway and sidewalk paving.
- Shawmut avenue*, northwest side, West Concord street to West Newton street. Measurement of edgestone, roadway and sidewalk paving.
- Shawmut avenue*, at Springfield street. Measurement of edgestone, roadway and sidewalk paving.
- Shawmut avenue*, at Massachusetts avenue. Measurement of edgestone, roadway and sidewalk paving.
- South street*, Beach street to Kneeland street. Grade for edgestone.
- South Market street*, at Mercantile street. Measurement of roadway paving.
- South Market street*, No. 44. Sidewalk tested and grade for inside.

South Russell street, No. 14, to Cambridge street. Measurement of edgestone, gutter and sidewalk paving.

Stanhope street, No. 66, to Morgan street. Grade for edgestone.

Stanhope street, Nos. 66-68. Line and grade of edgestone, line and grade for edgestone tested, grade for inside, and measurement of edgestone, gutter, driveway and sidewalk paving.

Staniford street, Cambridge street to Green street. Measurement of edgestone, gutter, crossing and sidewalk paving.

Sudbury square. Measurement of edgestone, gutter and sidewalk paving.

Sudbury street, west corner Portland street. Line and grade for edgestone, line and grade for edgestone tested and measurement of sidewalk paving.

Temple street. Measurement of edgestone, gutter, crossing and sidewalk paving.

Thorn street, northeast side from Canton street. Measurement of edgestone, roadway and sidewalk paving.

Tremont street, at Pleasant street (subway). Grade for edgestone, and measurement of edgestone, roadway and sidewalk paving.

Tremont street, Castle street to Dover street. Grade for edgestone.

Tremont street, at West Canton street. Measurement of edgestone, roadway and sidewalk paving.

Tremont street, at Worcester street. Measurement of edgestone, roadway and sidewalk paving.

Tremont street, at West Springfield street. Measurement of edgestone, roadway and sidewalk paving.

Tremont street, northwest side, at Massachusetts avenue. Measurement of edgestone, roadway and sidewalk paving.

Utica street, at Tufts street. Measurement of edgestone, roadway and sidewalk paving.

Utica street, Beach street to Kneeland street. Grade for edgestone, and measurement of edgestone, roadway and sidewalk paving.

Warren avenue, at Engine No. 22. Measurement of edgestone and driveway paving.

Washington street (north), east side, Cooper street to Stillman street. Grade of edgestone tested and grade for inside for area.

Washington street (north), at City Hospital. Line and grade for edgestone, line and grade for edgestone tested, grade for inside, and measurement of edgestone, gutter and sidewalk paving.

Washington street, at Ordway place. Grade of edgestone tested and measurement of sidewalk paving.

Washington street, Dover street to Massachusetts avenue. Measurement of edgestone, roadway and sidewalk paving.

Wendell street, south side, Hamilton street to Oliver street. Grade of edgestone tested and grade for inside for area.

- West street*, No. 9. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- West street*, Nos. 13 to 21. Grade of edgestone tested (twice), line and grade for edgestone, grade for inside and measurement of sidewalk paving.
- West Brookline street*, Washington street to Shawmut avenue. Measurement of edgestone, gutter and sidewalk paving.
- West Canton street*, Washington street to Tremont street. Measurement of edgestone, gutter, crossing and sidewalk paving.
- West Canton street*, Tremont street to Columbus avenue. Measurement of gutter and crossing paving.
- West Springfield street*, Washington street to Columbus avenue. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Worcester square*. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Worcester street*, Washington street to Columbus avenue. Measurement of edgestone, gutter, crossing and sidewalk paving.

SOUTH BOSTON.

- B street*, between Silver street and West Fourth street. Measurement of edgestone, roadway and sidewalk paving.
- Bolton street*, between West Second street and C street. Measurement of edgestone, gutter and sidewalk paving.
- Boston street*, between Mt. Vernon street and Washburn street. Measurement of edgestone, gutter and sidewalk paving.
- Boston street*, between Washburn street and Ellery street. Measurement of edgestone, roadway and sidewalk paving.
- Bowen street*, between F street and Dorchester street. Measurement of edgestone, gutter and sidewalk paving.
- Columbia road*, at L street. Line and grade for edgestone and measurement of crosswalk paving.
- Congress street*, between A street and New England Railroad. Measurement of edgestone and roadway paving.
- Congress street*, between Pittsburg street and Ballister street, north side. Line and grade of edgestone tested, line and grade of edgestone, line and grade of edgestone tested, inside grade marked, and measurement of sidewalk paving.
- D street*, between West Second street and West Broadway. Measurement of roadway paving.
- Dexter street*, between Ellery street and Dorchester avenue. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- E street*, between West Seventh street and Tudor street. Measurement of edgestone, gutter and sidewalk paving.
- East Eighth street*, between L street and No. 615. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.

- East Fourth street*, northeasterly corner M street. Line and grade of edgestone tested, line and grade for edgestone, line and grade of edgestone tested (twice), inside grade marked, revised inside grade given, and measurement of sidewalk paving.
- East Ninth street*, between Dorchester street and Mercer street. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- East Ninth street*, between Mercer street and Columbia road. Line and grade for edgestone.
- East Second street*, No. 721. Line and grade for edgestone.
- East Third street*, Nos. 756-762. Line and grade for edgestone.
- F street*, between West Sixth street and West Seventh street. Measurement of edgestone, gutter and sidewalk paving.
- F street*, between West Seventh street and Tudor street. Measurement of edgestone, gutter and sidewalk paving.
- G street*, between East Sixth street and East Seventh street. Measurement of edgestone, gutter and sidewalk paving.
- H street*, between East Eighth street and Columbia road. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Howell street*, between Boston street and No. 29. Measurement of edgestone, gutter and sidewalk paving.
- L street*, between East Eighth street and Columbia road. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Lark street*, between West Eighth street and West Ninth street. Measurement of edgestone, gutter and sidewalk paving.
- M street*, northeasterly corner East Fourth street. Line and grade of edgestone tested, line and grade for edgestone, line and grade of edgestone tested, grade for inside, revised grade of inside given, and measurement of sidewalk paving.
- Mercer street*, between East Eighth street and Newman street. Line and grade for edgestone, and measurement of edgestone, gutter, crosswalk and sidewalk paving.
- N street*, between East Fourth street and East Fifth street. Measurement of sidewalk paving.
- N street*, between East Fifth street and East Sixth street. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- P street*, between East First street and East Fourth street. Line and grade for edgestone, and measurement of edgestone, crosswalk, roadway and sidewalk paving.
- P street*, between East Sixth street and Columbia road. Line and grade for filling and line and grade for grading (twice).
- Story street*, Nos. 9-15. Line and grade for edgestone.
- Summer street*, between E street and Fargo street. Line and grade for edgestone, and measurement of edgestone and roadway paving.
- Thomas park*, inner ellipse. Grade of edgestone, and measurement of edgestone, gutter and sidewalk paving.

- Thomas park*, outer ellipse. Measurement of edgestone, gutter, crosswalk and sidewalk paving.
- Tudor street*, between E street and Dorchester street. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Vale street*, northeasterly and southwesterly corners Mercer street. Measurement of edgestone, gutter and sidewalk paving.
- Vale street*, Nos. 21-23. Line and grade for edgestone, grade of edgestone tested and inside grade marked.
- Washburn street*, between Boston street and No. 26. Measurement of edgestone and gutter paving.
- West Eighth street*, between D street and E street. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- West Eighth street*, between E street and F street. Measurement of edgestone, roadway and sidewalk paving.
- West Eighth street*, between F street and Dorchester street. Measurement of edgestone, roadway and sidewalk paving.
- West Fifth street*, between C street and D street. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- West Ninth street*, between D street and E street. Measurement of edgestone, roadway and sidewalk paving.
- West Ninth street*, between E street and Dorchester street. Line and grade for edgestone.
- West Sixth street*, between E street and F street. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- West Sixth street*, between F street and Dorchester street. Measurement of edgestone, gutter and sidewalk paving.
- West Third street*, between A street and B street. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- West Third street*, No. 317. Line and grade for edgestone.

EAST BOSTON.

(Including Breed's Island.)

- Ashley street*, between Breed street and Walley street. Line and grade for resetting edgestone.
- Blackinton street*, between Walley street and Leyden street. Measurement of edgestone, gutter and sidewalk paving.
- Bremen street*, northerly side, between Maverick street and Porter street. Line and grade for resetting edgestone, and measurement of edgestone, gutter, driveway, crosswalk and sidewalk paving.
- Brooks street*, southerly corner of White street. Measurement of edgestone, gutter and sidewalk paving.
- Chelsea street*, northerly corner of Marion street. Measurement of sidewalk paving.

Chelsea street, between Saratoga street and Chelsea bridge. Line and grade for resetting edgestone, and measurement of edgestone, gutter, driveway, crosswalk, and sidewalk paving.

Condor street, No. 51. Measurement for assessment.

Condor street, No. 92. Northerly side, west of and near Brooks street, at Condor Iron Foundry. Measurement for assessment.

Condor street, Nos. 163 and 165. Line and grade for setting edgestone.

Condor street, southwesterly corner Brooks street. Measurement for assessment.

Condor street, southeasterly corner Meridian street. Measurement for assessment.

East Eagle street, northerly side at City Yard. Line and grade for setting edgestone.

East Eagle street, northerly side at Chelsea street. Measurement of edgestone and gutter paving.

East Eagle street, northerly side, between Lexington street and Chelsea street. Measurement of crossing and gutter paving.

East Eagle street, Nos. 218 and 220. Measurement of sidewalk paving.

East Eagle street, southerly side, between Trenton street and Lexington street. Measurement of edgestone, gutter and sidewalk paving.

Falcon street, No. 69. Line and grade for setting edgestone, and measurement of edgestone, gutter and sidewalk paving.

Falcon street, No. 115. Line and grade for setting edgestone, and measurement of edgestone, gutter and sidewalk paving.

Falcon street, Nos. 125-135. Line and grade for setting edgestone, and measurement of edgestone, gutter and sidewalk paving.

Falcon street, Nos. 192 and 194. Line and grade for setting edgestone, and measurement of edgestone, gutter and sidewalk paving.

Ford street, northerly side, between Boardman street and Breed street. Line and grade for laying gutter and measurement of gutter paving.

Gove street, between Meridian street and Bremen street. Line and grade for resetting edgestone, and measurement of edgestone, gutter, crosswalk, driveway and sidewalk paving.

Lewis street, at South Ferry. Measurement of edgestone, roadway and sidewalk paving.

Lexington street, Nos. 205-207-209. Measurement of sidewalk paving.

Leyden street, northerly side, between Walley street and Blackinton street. Measurement of gutter paving.

Leyden street, opposite No. 249. Measurement of gutter paving.

London street, between Decatur street and Bennington street. Line and grade for resetting edgestone, and measurement of edgestone, gutter, crosswalk, driveway and sidewalk paving.

- London street*, between Sumner street and Maverick street.
Line and grade for resetting edgestone.
- London street*, westerly corner Porter street. Measurement for assessment.
- London street*, No. 148. Measurement for assessment.
- London street*, Nos. 161-163. Measurement for assessment.
- Marion street*, easterly side, between Bennington street and Saratoga street. Measurement of edgestone, gutter and sidewalk paving.
- Marion street*, westerly side, between Saratoga street and Princeton street at new High School. Line and grade of edgestone tested, inside grade marked, and measurement of sidewalk paving.
- Marion street*, easterly side, between Morris street and Chelsea street. Estimate furnished for amount of edgestone required, line and grade for setting edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Maverick street*, between Cottage street and Boston & Albany Railroad. Line and grade for resetting edgestone, and measurement of edgestone, gutter, driveway, crosswalk and sidewalk paving.
- Morris street*, Nos. 15 to 25. Line and grade for setting edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Morris street*, No. 99. Estimate furnished for amount of edgestone required.
- Morris street*, Nos. 77 to 83. Estimate furnished for amount of edgestone required, line and grade for setting edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Morris street*, southerly side, at and near Marion street. Estimate furnished for amount of edgestone required, line and grade for setting edgestone, and measurement of edgestone, gutter and sidewalk paving.
- New street*, westerly side, near Sumner street. Line and grade for resetting edgestone.
- North Ferry avenue*, southerly side, between Sumner street and the North Ferry. Line and grade for resetting edgestone, and measurement of edgestone and gutter paving.
- Orleans street*, at and near Maverick street. Measurement of edgestone, gutter and sidewalk paving.
- Paris street*, westerly side, in front of gymnasium. Line and grade for setting edgestone.
- Paris street*, No. 110. Line and grade for setting edgestone.
- Paris street*, No. 308. Line and grade for setting edgestone.
- Paris street*, southerly side, at Gove street. Measurement of edgestone, gutter and sidewalk paving.
- Pope street*, No. 10. Line and grade for setting edgestone.
- Pope street*, between Swift street and Curtis street. Measurement of edgestone, gutter, driveway, crosswalk and sidewalk paving.

- Princeton street*, southerly corner Marion street, at new High School. Line and grade of edgestone tested, inside grade marked, and measurement of sidewalk paving.
- Saratoga street*, westerly corner Marion street, at new High School. Line and grade of edgestone tested, inside grade marked, and measurement of sidewalk paving.
- Saratoga street*, at and near Bremen street. Measurement of edgestone, gutter and sidewalk paving.
- Saratoga street*, Nos. 857 to 863. Line and grade for setting edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Saratoga street*, Nos. 865 to 899. Line and grade for setting edgestone, and measurement of edgestone, gutter and sidewalk paving and measurement for assessment.
- Walley street*, northwest corner Blackinton street. Line and grade for resetting edgestone.
- Wordsworth street*, at Pope street and Saratoga street. Street corners staked out.

CHARLESTOWN.

- Alford street*, Arlington avenue to Malden bridge. Measurement of edgestone, roadway and sidewalk paving.
- Bartlett street*, at Warren Primary School. Line and grade for resetting edgestone.
- Bartlett street*, Elm street to Monument square. Measurement of edgestone, gutter, crosswalk, driveway and sidewalk paving.
- Bartlett street*, Pearl street to Elm street. Measurement of edgestone, gutter, crosswalk and sidewalk paving.
- Benedict street*, Lawrence street to Rutherford avenue. Measurement of edgestone, gutter, driveway and sidewalk paving.
- Bunker Hill street*, southerly side, near Chelsea street. Line and grade for resetting edgestone.
- Cambridge street*, Carter street to Boston & Maine Railroad. Measurement for assessment.
- Cedar street*, Bartlett street to High street. Measurement of edgestone, gutter, crosswalk, driveway and sidewalk paving.
- Chapman street*, westerly corner Lawrence street. Measurement of edgestone, roadway and sidewalk paving.
- Cross street*, Bartlett street to High street. Measurement of edgestone, gutter, crosswalk, driveway and sidewalk paving.
- Devens street*, Rutherford avenue to Main street. Measurement of edgestone, gutter, crosswalk and sidewalk paving.
- Ferrin street*, northerly side, near Chelsea street. Line and grade for resetting edgestone.
- Gardner street*, Sever street to Main street. Measurement of edgestone, gutter, crosswalk and sidewalk paving.
- Green street*, High street to Main street. Line and grade for resetting edgestone, and measurement of edgestone, gutter, crosswalk, driveway and sidewalk paving.
- Green street*, southerly side, at Common passageway. Corners of passageway staked out.

- Haverhill street*, Main street to No. 238. Measurement of edgestone, gutter, crosswalk, driveway and sidewalk paving.
- Hill street*, Cook street to Sackville street. Measurement of edgestone, gutter, crosswalk, driveway and sidewalk paving.
- Kingston street*, Sever street to No. 28. Measurement of edgestone, gutter and sidewalk paving.
- Laurel street*, Cedar street to Monument square. Measurement of edgestone, gutter and sidewalk paving.
- Lawrence street*, Austin street to Phipps street. Measurement of edgestone, gutter, crosswalk, driveway and sidewalk paving.
- Lincoln street*, southeasterly corner Main street. Line and grade of edgestone tested, and inside grade marked for bulkhead.
- Main street*, Nos. 37-39. Line and grade of edgestone tested, inside grade marked, and measurement of sidewalk paving.
- Main street*, Nos. 636-638. Line and grade of edgestone tested, and inside grade marked for bulkhead.
- Main street*, Gardner street to No. 652. Measurement of edgestone, gutter, driveway and sidewalk paving.
- Medford street*, No. 22. Line and grade of edgestone tested, and inside grade marked for bulkhead.
- Miller street*, Lawrence street to Main street. Measurement of edgestone, gutter and sidewalk paving.
- Monument avenue*, Main street to Monument square. Measurement of edgestone, gutter, crosswalk and sidewalk paving.
- Monument square*, southerly side, Monument avenue to Soley street. Measurement of edgestone, gutter and sidewalk paving.
- Pearl street*, at Warren Primary School. Line and grade for resetting edgestone.
- Pearl street*, Bartlett street to Summer street. Measurement of edgestone, gutter and sidewalk paving.
- Phipps street*, Lawrence street to burial ground. Measurement of edgestone, roadway and sidewalk paving.
- Prescott street*, Harvard street to Washington street. Measurement of edgestone, gutter, crosswalk and sidewalk paving.
- School street*, at Warren Primary School. Line and grade for resetting edgestone.
- School street*, Bartlett street to Summer street. Measurement of edgestone, gutter and sidewalk paving.
- Sever street*, Cambridge street to Haverhill street. Measurement of edgestone, gutter, crosswalk and sidewalk paving.
- Summer street*, at Warren Primary School. Line and grade for resetting edgestone.
- Summer street*, Pearl street to Elm street. Measurement of edgestone, gutter, crosswalk, driveway and sidewalk paving.
- Walnut street*, Bunker Hill street to Medford street. Measurement of edgestone, gutter, crosswalk, driveway and sidewalk paving.
- Warren street*, Nos. 56 to 80. Measurement of edgestone, gutter and sidewalk paving.

ROXBURY.

(South of Massachusetts avenue.)

- Abbotsford street*, No. 9. Grade of edgestone tested (twice) and measurement of edgestone, gutter and sidewalk paving.
- Albany street*, No. 874. Measurement of sidewalk paving.
- Alpine street*, St. James street to Regent street. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Amory street*, Bragdon street to Amory avenue. Grade for gutter, and measurement of edgestone and gutter paving.
- Astor street*, southerly corner Hemenway street. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside, and measurement of edgestone and gutter paving.
- Audubon circle*, at Beacon street. Measurement of edgestone and gutter paving.
- Bainbridge street*, Nos. 59 to 63. Grade of edgestone tested (twice), grade for edgestone, grade for inside, and measurement of edgestone, gutter and sidewalk paving.
- Batavia street*, southerly corner Hemenway street. Grade of edgestone tested, grade for edgestone, line and grade for edgestone tested, grade for inside, and measurement of edgestone, gutter and sidewalk paving.
- Bay State road*, Beacon street to Granby street. Grade for edgestone and measurement of edgestone, gutter, crossing and sidewalk paving.
- Bay State road*, northerly side Beacon street to Raleigh street. Revised grade for edgestone, grade of edgestone tested, grade for inside, and measurement of sidewalk paving.
- Bay State road*, No. 65. Measurement of edgestone and gutter paving.
- Bay State road*, No. 67. Measurement of sidewalk paving.
- Bay State road*, No. 77. Grade of edgestone tested (twice), grade for edgestone, grade for inside, and measurement of sidewalk paving.
- Bay State road*, No. 85. Grade for edgestone.
- Bay State road*, No. 97. Grade for edgestone tested (three times), line and grade for edgestone, grade for inside, and measurement of edgestone, gutter and sidewalk paving.
- Bay State road*, northeasterly corner Deerfield street. Line and grade for edgestone, and line and grade for edgestone tested.
- Bay State road*, No. 111. Line and grade for edgestone, grade of edgestone tested, grade for inside, and measurement of edgestone, gutter and sidewalk paving.
- Bay State road*, No. 137, to Sherborn street. Grade of edgestone tested (twice), grade for edgestone, grade for inside, and measurement of edgestone, gutter and sidewalk paving.
- Bay State road*, Nos. 154-156. Line and grade for edgestone, and measurement of edgestone, gutter, crossing and sidewalk paving.

- Bay State road*, No. 168. Grade of edgestone tested, and measurement of sidewalk paving.
- Bay State road*, Nos. 171 to 181. Grade of edgestone tested (twice), grade for edgestone, grade for inside, and measurement of edgestone, gutter and sidewalk paving.
- Bay State road*, No. 308. Measurement of sidewalk paving.
- Beacon street*, southeasterly side Audubon road to Roseland street. Line and grade for edgestone, line and grade for edgestone tested, and measurement of edgestone, gutter and sidewalk paving.
- Blue Hill avenue*, at Alaska street. Measurement of roadway paving.
- Blue Hill avenue*, Dewey street to Warren street. Measurement of old edgestone, and sidewalk before changes were made.
- Blue Hill avenue*, Dewey street to Holborn street. Line and grade for edgestone.
- Blue Hill avenue*, Dewey street to Lawrence avenue. Measurement of edgestone, roadway and sidewalk paving.
- Blue Hill avenue*, easterly side Quincy street to Dove street. Grade for edgestone.
- Blue Hill avenue*, westerly corner Savin street. Line and grade for edgestone tested, grade for inside, and measurement of sidewalk paving.
- Blue Hill avenue*, westerly corner Quincy street. Grade for edgestone, grade of edgestone tested, grade for inside, and measurement of edgestone, gutter and sidewalk paving.
- Blue Hill avenue*, Warren street to Intervale street. Grade for edgestone, and measurement of edgestone and roadway paving.
- Bower street*, Nos. 120-122. Grade of edgestone tested, grade for inside, and measurement of sidewalk paving.
- Bragdon street*, southwesterly side Ernst street to Amory street. Grade of edgestone tested (twice), grade for edgestone, grade for inside, and measurement of edgestone, gutter and sidewalk paving.
- Burrell street*, Norfolk avenue to No. 77. Measurement of edgestone and gutter paving.
- Burrell street*, Nos. 88 to 98. Measurement of edgestone and gutter paving.
- Cabot street*, No. 269. Grade of sidewalk inspected in regard to area.
- Calumet street*, Nos. 34-36. Measurement for assessment.
- Calumet street*, southwesterly corner Hillside street (private way). Measurement of edgestone, gutter and sidewalk paving.
- Centre street*, easterly side Fort avenue to Marcella street. Measurement of edgestone and roadway paving.
- Centre street*, at New Heath street. Measurement of crossing paving.
- Centre street*, Nos. 381 to 385. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.

- Cheney street*, southerly side Maple street to opposite Montana street. Measurement of edgestone, gutter and sidewalk paving.
- Circuit street*, Walnut avenue to Regent street. Measurement of edgestone, gutter and sidewalk paving.
- Columbus avenue*, Nos. 1492 to 1496. Measurement of sidewalk paving.
- Columbus avenue*, Nos. 2037 to 2049. Measurement of edgestone, gutter and sidewalk paving.
- Commonwealth avenue*, easterly corner Deerfield street. Measurement of crossing paving.
- Commonwealth avenue*, Nos. 613 to 625. Grade of edgestone tested, grade for inside, and measurement of edgestone, gutter and sidewalk paving.
- Commonwealth avenue*, corner Chilmark street. Measurement of edgestone, gutter and sidewalk paving.
- Commonwealth avenue*, at Ashby street. Measurement of edgestone, gutter and crossing paving.
- Copeland street*, Warren street to Moreland street. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Copeland street*, Nos. 14 and 18. Measurement for sidewalk assessment.
- Copeland street*, northeasterly corner Warren street. Grade of edgestone tested (twice), line and grade for edgestone, grade for inside, and measurement of edgestone and sidewalk paving.
- Crawford street*, No. 127. Grade of edgestone tested (twice), grade for edgestone, and grade for inside.
- Crawford street*, No. 129. Grade for edgestone, grade of edgestone tested, and grade for inside.
- Crawford street*, northerly side Harold street to No. 129. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Deerfield street*, northeasterly corner Bay State road. Line and grade for edgestone, line and grade for edgestone tested, and grade for inside.
- Delle avenue*, Sewall street to Burney street. Measurement of edgestone, gutter and sidewalk paving.
- Dennis street*, No. 52 to Woodville terrace. Measurement of edgestone, gutter and sidewalk paving.
- Devon street*, Warren street to Blue Hill avenue. Measurement of old edgestone and sidewalk before changes were made, line and grade for edgestone and measurement of edgestone, gutter, crossing and sidewalk paving.
- Dudley street*, east corner Washington street. Grade of edgestone tested (twice), grade for edge stone, grade for inside and measurement of edgestone roadway and sidewalk paving.
- Dudley street*, No. 193. Grade of edgestone tested at driveway.
- Ernst street*, at west corner Bragdon street. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of edgestone, gutter and sidewalk paving.

- Gainsboro' street*, east corner Hemenway street. Line and grade of edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Gannett street*, Measurement of old edgestone and sidewalk before changes were made.
- Gurney street*, at angle. Line and grade for edgestone, line and grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Halleck street*, Prentiss street to Station street. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Harold street*, Nos. 5-7. Grade of edgestone tested (twice), grade for edgestone and measurement of edgestone, gutter and sidewalk paving.
- Harold street*, Nos. 21-23. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Harold street*, south corner Harrishoff street. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Harrishoff' street*, Nos. 112-120. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Harrishoff' street*, No. 128. Grade of edgestone tested (twice), line and grade for edgestone, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Heath street*, Nos. 305 to 319. Grade for edgestone, line and grade of edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Heath street*, Nos. 321 to 327. Grade of edgestone tested, line and grade of edgestone tested, grade for inside and measurement of edgestone and gutter paving.
- Heath street*, Nos. 343-345. Grade of edgestone tested, line and grade for edgestone, line and grade of edgestone tested, grade for inside and measurement of edgestone and gutter paving.
- Hemenway street*, south corner Astor street. Grade of edgestone tested, line and grade for edgestone, line and grade of edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Hemenway street*, northeast corner Wheatland avenue. Grade of edgestone tested (twice), line and grade for edgestone, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Hemenway street*, southeast side, Gainsboro' street to Batavia street. Grade of edgestone tested, grade for edgestone, line and grade of edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Highland street*, Nos. 200-202. Measurement of sidewalk paving.

- Hillside street.* Measurement of old edgestone and sidewalk before changes were made.
- Hillside street,* Parker street to Parker Hill avenue. Line and grade for edgestone and measurement of edgestone, gutter, crossing and sidewalk paving.
- Hillside street,* south side Calumet street to Parker Hill avenue. Estimate of cutting.
- Hollander street,* east corner Harold street. Line and grade for edgestone and measurement of edgestone and gutter paving.
- Homestead street,* measurement of old edgestone and sidewalk before changes were made.
- Homestead street,* Walnut avenue to Humboldt avenue. Line and grade for edgestone.
- Homestead street,* No. 57. Line and grade for edgestone, line and grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Howland street,* Nos. 31-35-41-43. Measurement of sidewalk paving.
- Humboldt avenue,* Waumbeck street to Seaver street. Measurement of old edgestone and sidewalk before changes were made.
- Humboldt avenue,* Nos. 50 to 56. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Humboldt avenue,* Townsend street to Waumbeck street. Line and grade for edgestone (twice).
- Humboldt avenue,* Seaver street to Crawford street. Line and grade for edgestone.
- Huntington avenue,* south corner Massachusetts avenue. Grade of edgestone tested (twice), grade for edgestone and measurement of sidewalk paving.
- Huntington avenue,* at Martin School. Measurement of crossing paving.
- Huntington avenue,* at Calumet street. Measurement of crossing paving.
- Julian street,* Nos. 39-50 to 56. Measurement of edgestone and gutter paving.
- Kearsarge avenue,* corner Winthrop street. Measurement of edgestone.
- Kenmore street,* northeast corner Newbury street. Line and grade for edgestone (twice), line and grade for edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Kent street.* Measurement of edgestone, gutter, crossing and sidewalk paving.
- Lamartine street,* No. 57. Grade of edgestone tested (twice), grade for edgestone and measurement of sidewalk paving.
- Lansing street.* Measurement of old edgestone and sidewalk before changes were made.

- Lenox street*, north corner Shawmut avenue. Grade of edgestone tested, grade for inside for area and measurement of sidewalk paving.
- Longwood avenue*, south side. Autumn street to Riverway. Grade of edgestone tested (twice), and measurement of edgestone, gutter and crossing paving.
- Maple street*, Nos. 1 to 9. Measurement of edgestone, gutter and sidewalk paving.
- Marlboro' street*, south side, near Charles-gate east. Grade of edgestone tested and grade for edgestone.
- Marvin street*, west corner Roxbury street. Line and grade for edgestone and measurement of edgestone and gutter paving.
- Massachusetts avenue*, south corner Huntington avenue. Grade of edgestone tested (twice), grade for edgestone and measurement of edgestone and gutter paving.
- Massachusetts avenue*, west side, Magazine street to Landsdowne street, line and grade for edgestone and measurement of edgestone, gutter and sidewalk paving.
- Mayfair street*, south corner Bainbridge street. Line and grade for edgestone and measurement of edgestone, gutter and sidewalk paving.
- Maywood street*, No. 9. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Medfield street*. Grade for edgestone.
- Miles street*, at Amory street. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Minden street*, Nos. 108 to 114-134-136-138. Measurement of sidewalk paving.
- Moreland street*, at Copeland street. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Mountfort street*, at Beacon street. Measurement of gutter and crossing paving.
- Mountfort street*, Beacon street to Audubon road. Grade for grading.
- Mountfort street*, Nos. 93-99. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, and measurement of edgestone, gutter and sidewalk paving.
- Munroe street*, No. 9 to 25. Grade of edgestone tested, line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Newbern street*. Measurement of edgestone, gutter and sidewalk paving.
- Newbury street*, No. 412. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of edgestone.
- Newbury street*, Massachusetts avenue to Charlesgate West. Measurement of old edgestone before changes were made, line and grade for edgestone (twice), and measurement of edgestone, gutter, crossing and sidewalk paving.

- Newbury street*, at Volkman Building. Line and grade for edgestone tested, grade for inside and measurement of sidewalk paving.
- Newbury street*, southeast corner Charlesgate East. Line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of edgestone and gutter paving.
- Newbury street*, Nos. 523 to 533. Grade of edgestone tested, grade for edgestone, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Newbury street*, north corner Kenmore street. Grade for edgestone, line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Newbury street*, south side, Nos. 540-568. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Newcomb street*, south corner Washington street. Line and grade for edgestone, and measurement of edgestone, gutter, crossing and sidewalk paving.
- New Heath street*, at Centre street. Measurement of edgestone, gutter, crossing and sidewalk paving.
- New Heath street*, No. 42. Measurement of sidewalk paving.
- New Heath street*, south corner Parker street. Measurement of gutter paving.
- New Heath street*, southwest side, Albert street to Parker street. Measurement for assessment.
- Northampton street*, southwest side, near Reed street. Grade of edgestone tested and grade for inside for area.
- Parker street*, Ruggles street to Ward street. Grade for edgestone, and measurement of edgestone, roadway and sidewalk paving.
- Parker Hill avenue*, Nos. 18-20. Line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Perrin street*. Measurement of edgestone, gutter, crossing, driveway and sidewalk paving.
- Quincy street*, Nos. 66-68. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Quincy street*, west corner Blue Hill avenue. Line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of edgestone, gutter, crossing and sidewalk paving.
- Rand street*. Measurement of old edgestone and sidewalk before changes were made.
- Reed street*, south corner Northampton street. Line and grade for edgestone, and measurement of edgestone, gutter, driveway and sidewalk paving, and measurement for assessment.
- Roseland street*. Line and grade for edgestone.
- Roxbury street*, west corner Marvin street. Line and grade for edgestone, and measurement of edgestone and gutter paving.

- Roxbury street*, Nos. 21-25. Measurement of edgestone, gutter and sidewalk paving.
- Ruthven street*, Humboldt avenue to Harold street. Line and grade for edgestone.
- Ruthven street*, Humboldt avenue to Elm Hill avenue. Measurement of old edgestone and sidewalk before changes were made, line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Savin street*, west corner Blue Hill avenue. Line and grade for edgestone, line and grade for edgestone tested, grade for inside and measurement of edgestone, gutter and sidewalk paving, and measurement for sidewalk assessment.
- Sawyer street*. Grade for edgestone.
- Schuyler street*. Measurement of old edgestone and sidewalk before changes were made.
- Shawmut avenue*, north corner Lenox street. Measurement of sidewalk paving.
- Sherborn street*, northeast corner Bay State road. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of edgestone, gutter and sidewalk paving.
- Sheridan street*, Nos. 42 to 50. Measurement of sidewalk paving.
- Stafford street*. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Sterling street*, at Newburn street. Measurement of sidewalk paving.
- Sunderland street*. Measurement of old edgestone and sidewalk before changes were made, line and grade for edgestone, and measurement of edgestone, gutter, crossing and sidewalk paving.
- Thornton street*, opposite Ellis street. Measurement of edgestone, gutter and sidewalk paving.
- Townsend street*, No. 67. Line and grade for edgestone, grade of edgestone tested (twice), grade for edgestone and grade for inside.
- Townsend street*, Nos. 200-202. Line and grade for edgestone tested and grade for inside.
- Townsend street*, Nos. 204-206. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Tremont street*, opposite No. 1536. Measurement of roadway paving.
- Walpole street*, north corner Columbus avenue. Line and grade for edgestone, and measurement of edgestone and sidewalk paving.
- Walnut avenue*, Townsend street to Seaver street. Grade for edgestone.
- Walnut avenue*, Nos. 283-285. Grade for edgestone.
- Warren street*, northwest side, opposite No. 210, to Rockland street. Measurement of edgestone, roadway and sidewalk paving.

- Warren street*, north corner Copeland street. Grade of edgestone tested (twice), grade for edgestone, grade for inside and measurement of edgestone, roadway and sidewalk paving.
- Warren street*, at Holborn street. Measurement of roadway paving.
- Warren street*, at Chisholm terrace. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Washington street*, Massachusetts avenue to Northampton street. Measurement of edgestone, roadway and sidewalk paving.
- Washington street*, No. 2241, to Ruggles street. Measurement of edgestone, roadway and sidewalk paving.
- Washington street*, east corner Dudley street. Grade of edgestone tested, grade for inside and measurement of sidewalk paving.
- Washington street*, Nos. 2752 and 2754. Grade of edgestone tested and measurement of sidewalk paving.
- Waumbeck street*, corner Wenonah street. Measurement of sidewalk paving.
- Waumbeck street*, No. 65. Measurement of edgestone.
- Waumbeck street*, No. 69. Line and grade for edgestone, line and grade for edgestone tested, grade for inside, and measurement of edgestone, gutter and sidewalk paving.
- Waumbeck street*, Nos. 82 and 84. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Waumbeck street*, Nos. 83 and 85. Line and grade for edgestone, line and grade for edgestone tested, and measurement of edgestone, gutter and sidewalk paving.
- Waumbeck street*, Nos. 87 and 89. Line and grade for edgestone, grade of edgestone tested, grade for inside, and measurement of edgestone, gutter and sidewalk paving.
- Waverly street*, Blue Hill avenue to Warren street. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Waverly street*, Nos. 81 and 83. Measurement for assessment.
- Wayne street*. Measurement of old edgestone and sidewalk before changes were made, line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Welden street*. Measurement of old edgestone and sidewalk before changes were made.
- Wenonah street*, corner Waumbeck street. Measurement of sidewalk paving.
- Westland avenue*, northeast corner Hemenway street. Line and grade for edgestone, line and grade for edgestone tested, grade for inside, and measurement of edgestone, gutter, crossing and sidewalk paving.
- Westminster avenue*, Washington street to Walnut avenue. Measurement of edgestone, gutter, crossing and sidewalk paving.
- Williams street*, northeasterly side, near Shawmut avenue. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.

- Winthrop street*, Blue Hill avenue to No. 18. Measurement of edgestone, gutter and sidewalk paving, and for assessment.
- Woodcliff street*, at St. John's Church. Measurement of edgestone and gutter paving.
- Zeigler street*, at Dudley Street Station. Measurement of gutter and crossing paving.

DORCHESTER.

- Adams street*, Field's Corner to Park street. Plan and profile for proposed grade, line and grade for edgestone, and measurement of edgestone and street paving.
- Adams street*, No. 308 to Neponset avenue. Measurement of street paving.
- Ainsley street*. Line and grade for construction.
- Algonquin street*, at Bradlee street. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Allston street*, Nos. 1 to 13. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Arcadia street*, No. 14. Line and grade for edgestone, line and grade of edgestone tested, line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Ashmont street*, Washington street to Burt street. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Ashmont street*, Neponset avenue to Newhall street. Line and grade for filling.
- Barry street*, at Richfield street. Line and grade for edgestone.
- Belfort street*, southwesterly corner Sagamore street. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Bernard street*, No. 63. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Boston street*, Mount Vernon street to Washburn street. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Bowdoin street*, Washington street to Hancock street. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Bowdoin street*, No 117. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter paving and artificial stone sidewalk.

- Bowdoin street*, northerly corner Cottage park. Line and grade of edgestone tested, street grade for artificial stone sidewalk, grade of artificial stone sidewalk tested, and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Bowdoin street*, southeasterly corner Hamilton street. Line and grade of edgestone tested, street grade for artificial stone sidewalk, grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Bowdoin street*, Nos. 241 and 243. Line and grade of edgestone tested, street grade for artificial stone sidewalk, grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Bradlee street*, southwesterly corner Washington street. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Bradlee street*, at Algonquin street. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter and paving and artificial stone sidewalk.
- Burrell street*, Batchelder street to Norfolk avenue. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Burrell street*, near Batchelder street and Norfolk avenue. Line and grade for edgestone.
- Butler street*, No. 8. Line and grade for edgestone and measurement of edgestone and gutter paving.
- Carruth street*, east side, Ashmont street to Fairfax street. Measurement of edgestone, gutter and sidewalk paving.
- Carruth street*, Codman street to Van Winkle street. Line and grade for edgestone and dish gutter and measurement of edgestone and gutter paving.
- Centre street*, Nos. 147-149. Line and grade for edgestone, street line and grade for artificial stone sidewalk, line and grade for artificial stone sidewalk tested and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Centre street*, near Wainwright street. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Chamberlain street*, No. 17. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested and measurement of artificial stone sidewalk.
- Clarkson street*, Nos. 47-49. Line and grade for edgestone and measurement of edgestone, gutter and sidewalk paving.
- Cushing avenue*, Sawyer avenue to Columbia road. Measurement of edgestone, gutter and sidewalk paving.

- Cushing avenue*, at St. Mary's Church. Line and grade for edgestone and measurement of edgestone, gutter and sidewalk paving.
- Dakota street*, Washington street to Greenbrier street. Line and grade for construction.
- Dakota street*, southeast corner Washington street. Line and grade for edgestone.
- Denny street*, at Savin Hill avenue. Line and grade for edgestone and measurement of edgestone, gutter and sidewalk paving.
- Dorchester avenue*, northwest corner Mayfield street. Line and grade of edgestone tested, street grade for artificial stone sidewalk, grade of artificial stone sidewalk tested and measurement of artificial stone sidewalk.
- Dorchester avenue*, Nos. 1505-1511. Line and grade of edgestone tested, street grade for artificial stone sidewalk, grade of artificial stone sidewalk tested and measurement of artificial stone sidewalk.
- Dorchester avenue*, Nos. 999-1001. Line and grade of edgestone tested, street grade for artificial stone sidewalk, grade of artificial stone sidewalk tested and measurement of artificial stone sidewalk.
- Dorchester avenue*, No. 1183. Measurement of sidewalk paving.
- Dorchester avenue*, Between Nos. 924-931. Measurement of street paving.
- Dorchester avenue*, No. 918. Measurement of sidewalk paving.
- Draper street*, Nos. 8-16. Measurement of edgestone and gutter paving.
- East Cottage street*, No. 261. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested and measurement of artificial stone sidewalk.
- East Cottage street*, southeast corner Sumner street. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested and measurement of artificial stone sidewalk.
- Elmo street*, at westerly bend. Line and grade for edgestone and measurement of edgestone and gutter paving.
- Erie street*, both corners of Elmo street. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Erie street*, Washington street to Glenway street. Measurement of edgestone, gutter and sidewalk paving.
- Geneva avenue*, Park street to Vinson street. Line and grade for edgestone.
- Geneva avenue*, south side, near Bowdoin street. Line and grade for edgestone and measurement of edgestone and gutter paving.

Glendale street, No. 76. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested and measurement of artificial stone sidewalk.

Grafton street, line and grade for construction.

Grampian Way, Savin Hill avenue to Rockland avenue. Plan and profile for proposed grade, line and grade for edgestone and dish gutters, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested and measurement of edgestone, gutter paving and artificial stone sidewalk.

Greenbrier street, No. 82. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested and measurement of artificial stone sidewalk.

Hancock street, near Hendry street. Measurement of edgestone and gutter paving.

Harbor View street, Nos. 11, 15, 21-25. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested and measurement of edgestone, gutter paving and artificial stone sidewalk.

Hartford street, Wayland street to Sargent street. Measurement of edgestone, gutter and sidewalk paving.

Harvard street, Blue Hill avenue to Glenway street. Line and grade for edgestone and measurement of edgestone and gutter paving.

Harvard street, Nos. 186-188, 210-214, 220-224, 230, 232, 211-215, 219-225. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested and measurement of artificial stone sidewalk.

Harvard street, northwest corner Washington street. Line and grade of edgestone tested, street grade for artificial stone sidewalk, grade of artificial stone sidewalk tested and measurement of artificial stone sidewalk.

Harvard street, south side, Washington street to Engine-house. Measurement of edgestone and gutter paving.

Harvard street, Glenway street to bridge. Measurement of dish gutter paving.

Hendry street, No. 7 to Hancock street. Line and grade for edgestone and measurement of edgestone and gutter paving.

Hendry street, Nos. 10-12. Line and grade for edgestone, line and grade of edgestone tested, line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested and measurement of edgestone, gutter paving and artificial stone sidewalk.

Hewins street, Nos. 8-24, 15-19. Line and grade of edgestone tested, line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested and measurement of artificial stone sidewalk.

- Howard avenue*, No. 117. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Howard avenue*, at Woodward Park street. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Howell street*, near Boston street. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Jerome street*, at Cushing avenue. Measurement of edgestone and gutter paving.
- Josephine street*, Nos. 16 and 18. Line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Julian street*, Nos. 50-68. Line and grade for edgestone, line and grade of edgestone tested, line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Leonard street*, northeast corner Duncan street. Line and grade for construction.
- Linden street*, Dorchester avenue to Adams street. Measurement of edgestone and gutter paving.
- Magnolia street*, Nos. 104 and 106. Line and grade for edgestone, line and grade of edgestone tested, line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Magnolia street*, No. 114. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Magnolia street*, at City Ledge. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Marshfield street*, No. 36. Line and grade for edgestone.
- Mayfield street*, Nos. 9 and 29. Line and grade for edgestone tested, line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Merrill street* and Fenelon street, south corner. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- McLellan street*, Nos. 11-15. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Mill street* and Neponset avenue. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Mill street*, No. 18. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone and sidewalk paving.

- Millet street*, Park street to Talbot avenue. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Millet street*, No. 266. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Milton avenue*, Norfolk street to Lauriat avenue. Line and grade for construction.
- Montello street*, northwest corner Arcadia street. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Montello street*, Nos. 4-8-12. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Mt. Vernon street*, Nos. 84-92. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Newport street*, Nos. 15-17-23-29. Measurement of sidewalk paving.
- Newport street*, Nos. 35-39. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Oakman street*, west side. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Oleander street*, near Alexander street. Line and grade for edgestone.
- Park street*, near Merlin street. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Park street*, No. 523. Measurement of edgestone and gutter paving.
- Parkman street*, Dorchester avenue to Adams street. Measurement of edgestone and gutter paving.
- Pond street*, Edison green to Columbia road. Line and grade for edgestone, and measurement of edgestone.
- Quincy street*, at Phillips Brooks School. Measurement of sidewalk paving.
- Richmond street*, south side Dorchester avenue to Adams street. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Rosedale street*. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Rosemont street*, Adams street to Gustine street. Line and grade for construction.
- Roslin street*, No. 60. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.

- Sagamore street*, No. 50. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Savin Hill avenue*, from Bridge to Denny street. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Savin Hill avenue* and Grampian way, from Grampian way easterly. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Savin Hill avenue*, Nos. 131-135. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Spring Garden street*, No. 3. Line and grade of edgestone tested, street grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Stanwood street*, No. 128. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Stratford street*, estate of Cook. Line and grade for artificial stone sidewalk.
- Talbot avenue*, Kerwin to Wales street. Line and grade for edgestone, line and grade of edgestone tested, line and grade for artificial stone sidewalk, and measurement of edgestone and gutter paving.
- Taylor street*. Measurement of gutter paving.
- Tolman street*. Line and grade for filling.
- Tremlet street*, north side, near Washington street. Measurement of edgestone and gutter paving.
- Virginia street*, No. 40. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Washington street*, east side, near Dakota street. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Washington street*, Nos. 405-411. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Washington street*, No. 557, and Harvard street. Line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Washington street*, Harvard street to Norfolk street. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Westville street*, Bowdoin street to Draper street. Line and grade for edgestone, and measurement of edgestone and gutter paving.

- Westville street*, Nos. 16-18-20. Line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of artificial stone sidewalk.
- Whitfield street*, Nos. 112-120. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Whitfield street*, Park street to Wheatland avenue. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Willis street*, Nos. 14, 23-27. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter paving and artificial stone sidewalk.
- Withington street*, Nos. 24, 27, and 29. Line and grade of edgestone and measurement of edgestone and gutter paving.
- Withington street*, Nos. 46 and 48. Line and grade for edgestone, line and grade of edgestone tested, street line and grade for artificial stone sidewalk, line and grade of artificial stone sidewalk tested, and measurement of edgestone, gutter and artificial stone sidewalk.
- Woolson street*, near Norfolk street. Line and grade for filling.

WEST ROXBURY.

- Adelaide street*, Boylston street to Spring Park avenue. Plan for edgestone assessment.
- Adelaide street*, Boylston street to Spring Park avenue. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Alveston street*, Nos. 21 and 23. Measurement of sidewalk paving.
- Ashland street*, Canterbury street, southeast. Measurement of crosswalk and gutter paving.
- Ballard street*. Measurement of gutter paving.
- Bellevue street*, between Oriole street and Robin street. Line and grade for gutter, and measurement of crosswalk and gutter paving.
- Boylston street*, Washington street to Centre street. Line and grade for edgestone, and measurement of edgestone, crosswalk, sidewalk and gutter paving.
- Boylston street*, between Chestnut avenue and Lamartine street. Measurement of sidewalk paving.
- Boylston street*, at railroad bridge. Measurement of sidewalk paving.
- Boylston avenue*, Green street to Stony brook. Line and grade for edgestone, and measurement of edgestone and gutter paving.

- Brown avenue*, corner Ashland street. Line and grade for building wall.
- Burr street*. Line to determine encroachments.
- Burr street*, Boylston street to Spring Park avenue. Plan for sidewalk and edgestone assessment.
- Burr street*, Boylston street to Spring Park avenue. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Burr street*, No. 5. Measurement of sidewalk paving.
- Burroughs street*, corner Centre street. Measurement of sidewalk paving.
- Burroughs street*, north side, near Pond street. Measurement of sidewalk paving.
- Burroughs street*, south corner Centre street. Measurement of sidewalk paving.
- Centre street*, northeast corner Eliot street. Estimate furnished for sidewalk assessment.
- Centre street*, at junction of South street. Measurement of sidewalk paving.
- Centre street*, Nos. 701 to 753, 663, 666, 704, 712, 714. Measurement of sidewalk paving.
- Chestnut avenue*. Measurement of sidewalk paving.
- Chestnut avenue*, No. 274 to Green street. Measurement of edgestone, gutter and sidewalk paving.
- Chestnut square*. Measurement of sidewalk paving.
- Clive street*, No. 38. Line and grade of edgestone tested, inside grade for artificial stone, and measurement of artificial stone sidewalk.
- Cornell street*, Orange street to Colberg avenue. Line and grade for construction.
- Corinth street*, Washington street to Brandon street. Corners and bends staked out.
- Curtis Hall*. Measurement of concrete paving.
- Eliot street*, northeast corner Centre street. Estimate furnished for sidewalk assessment.
- Elm street*, corner Roanoke avenue. Measurement of sidewalk paving.
- Forest Hills street*, between Washington street and Glen road. Corners staked out for construction.
- Goldsmith street*. Measurement of gutter paving.
- Green street*, Washington street to Centre street. Measurement of edgestone, gutter and sidewalk paving.
- Green street*, north corner Washington street. Measurement of sidewalk paving.
- Green street*, No. 29. Measurement of sidewalk paving.
- Harris avenue*. Measurement of sidewalk paving.
- Jamaica street*. Line and grade for grading sidewalks.
- Landseer street*. Measurement of gutter paving.
- LaGrange street*, between Centre street and Washington street. Line and grade for reconstruction.

- La Grange street*, Centre street to Shaw street. Measurement of edgestone and gutter paving.
- Linnett street*, La Grange street to Bellevue street. Grade for gutters and measurement of crosswalk and gutter paving.
- Lorraine street*, near Colberg avenue. Line and grade for artificial stone sidewalk.
- Louders lane*, corner Centre street. Line staked out for construction.
- Mt. Vernon street*. Line and grade for fence.
- Oakview terrace*, No. 16. Line and grade of edgestone tested, inside grade for artificial stone, and measurement of artificial stone sidewalk.
- Ophir street*. Measurement of gutter paving.
- Paul Gore street*, Nos. 100-102. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Paul Gore street*, Nos. 106-114. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Paul Gore street*, Nos. 113-117. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Paul Gore street*, No. 96. Measurement of sidewalk paving.
- Perkins street* and South Huntington avenue. Corners staked out for construction.
- Perkins street*, at Day street. Tangents and corners staked out for construction.
- Perkins street*, at George S. Curtis estate. Line and grade for fence.
- Peter Parley road*, between Forest Hills street, and Walnut avenue. Measurement of edgestone and gutter paving.
- Poplar street*, corner Sycamore street. Measurement of sidewalk paving.
- Poplar street*, Ashland street to Washington street. Measurement of gutter paving.
- Revere street*, No. 11. Measurement of sidewalk paving.
- Robinwood avenue*, near Rockview street. Line and grade of edgestone tested, inside grade for artificial stone, and measurement of artificial stone sidewalk.
- Rowe street*, Ashland street to Seymour street. Line for constructing street.
- School street*, between Washington street and Walnut avenue. Measurement of gutter paving.
- Seaverns avenue*, corner Maple place. Measurement of sidewalk paving.
- Seymour street*, Canterbury street to Brown avenue. Line for constructing street.
- Sheridan street*, No. 87. Measurement of artificial stone sidewalk.
- South street*, north side, at Soldiers' Monument. Measurement of sidewalk paving.
- South Huntington avenue*, corner Perkins street. Corners staked out for construction.

- Spring street*, between Gardner street and Baker street. Line and grade for gutter.
- Thomas street*, corner Centre street. Measurement of sidewalk paving.
- Walter street*, at Centre street. Line and grade for sub-grading street.
- Washington street*, at corners Ittley road, Montebello road, and Forest Hills street. Line for construction.
- Washington street*, northwesterly corner Green street. Measurement of sidewalk paving.
- Washington street*, Poplar street to Ashland street. Measurement of gutter paving.
- Weld street*, corner Westover street. Line for construction.
- Wenham street*. Measurement of edgestone and gutter paving.
- Woodman street*, corner Jamaica street. Line and grade for edgestone, and measurement of edgestone and gutter paving.

BRIGHTON.

- Allston street*, between Warren street and Commonwealth avenue. Measurement of edgestone and gutter paving.
- Ashford street*. Measurement of gutter paving.
- Athol street*, from Aldie street to Raymond street. Measurement of gutter paving.
- Bennett street*, from Market street to Parsons street. Estimate plan for sidewalk assessment.
- Bennett street*, from Market street to Parsons street. Line and grade of edgestone, and measurement of edgestone, gutter and crosswalk paving.
- Bennett street*, No. 23. Measurement of artificial stone steps.
- Brentwood street*. Measurement of gutter paving.
- Brighton avenue*, Nos. 79 to 91. Line and grade for edgestone, and measurement of edgestone, gutter and sidewalk paving.
- Brighton avenue*, from Linden street to Harvard avenue. Measurement of edgestone, gutter and sidewalk paving.
- Brooks street*, from North Beacon street to the railroad. Line staked out for construction.
- Brooks street*. Measurement of gutter paving.
- Cambridge street*, from Brighton avenue to Washington street. Tangents and corners staked out for construction.
- Chestnut Hill avenue*, between the engine-house and South street. Measurement of edgestone, gutter, crosswalk and sidewalk paving.
- Chestnut Hill avenue*, between South street and Commonwealth avenue. Measurement of gutter paving.
- Corey road*, corner Cummings road. Inside line and grade for artificial stone, inside line and grade tested, and measurement of artificial stone sidewalk.
- Cummings road*, corner Corey road. Inside line and grade for artificial stone, inside line and grade tested, and measurement of artificial stone sidewalk.

- Elko street.* Measurement of edgestone, gutter and crosswalk paving.
- Faneuil street,* at Parsons street. Measurement of crosswalk paving.
- Franklin street,* at Brentwood street. Measurement of gutter and crosswalk paving.
- Gardner street,* from Malvern street to Harvard avenue. Estimate plan for sidewalk assessment.
- Gardner street,* from Malvern street to Harvard avenue. Line and grade for edgestone, and measurement of edgestone, gutter and crosswalk paving.
- Hardwick street.* Measurement of gutter paving.
- Harvard avenue,* between Cambridge street and Commonwealth avenue. Measurement of edgestone and gutter paving.
- Henshaw street,* near Cambridge street. Line and grade for artificial stone, and measurement of artificial stone sidewalk.
- Holbrook street,* Nos. 16 to 38. Measurement of sidewalk paving.
- Lake street,* from Commonwealth avenue to Seminary entrance. Measurement of gutter paving.
- Mansfield street.* Measurement of gutter paving.
- Market street.* Measurement of crosswalk paving.
- Market street,* at Western avenue. Measurement of sidewalk paving.
- Market street,* No. 88. Measurement of gutter paving.
- Murdock street,* No. 58. Estimate of edgestone required, line and grade for edgestone, and measurement of edgestone and gutter paving.
- Murdock street,* between Sparhawk street and Cambridge street. Estimate of edgestone required, and measurement of edgestone, gutter, crosswalk and sidewalk paving.
- Murdock street,* between Elmira street and Spring street. Measurement of gutter paving.
- North Beacon street,* between Union square and Gordon street. Measurement of edgestone, gutter and sidewalk paving.
- North Beacon street,* from Market street to George street. Measurement of gutter paving.
- North Harvard street,* near No. 276. Measurement of edgestone and crosswalk paving.
- Oak-square avenue,* corner Washington street. Estimate of edgestone required.
- Rockland street,* at Chestnut Hill avenue. Measurement of edgestone, gutter and sidewalk paving.
- Royal street,* southwesterly corner Cambridge street. Line and grade for edgestone, and measurement of edgestone and gutter paving.
- Shannon street.* Measurement of gutter paving.
- Shepard street.* Measurement of edgestone, gutter, crosswalk and sidewalk paving.
- Snow street.* Line and grade for sub-grading.

Sparhawk street, from Murdock street to Market street. Estimate of edgestone required, and measurement of edgestone, gutter and sidewalk paving.

Summit avenue, Nos. 41 to 51. Line and grade for edgestone, and measurement of edgestone and gutter paving.

Union street. Measurement of edgestone, gutter, crosswalk and sidewalk paving.

Warren street, at Allston street. Measurement of edgestone and gutter paving.

Washington street, corner Oak-square avenue. Estimate of amount of edgestone required, line and grade for edgestone, line and grade of edgestone tested, inside grade for artificial stone, and measurement of artificial stone sidewalk.

Washington street, corner Champney street. Estimate of edgestone required.

Washington street, at Rockland street. Measurement of gutter paving.

Webster street, near Bigelow street. Grade for constructing sidewalks.

Western avenue, at North Harvard street. Measurement of gutter paving.

Winship street, between Union street and Chestnut Hill avenue. Measurement of edgestone and gutter paving.

IN SURVEYING DIVISION, ENGINEERING DEPARTMENT, JANUARY 31, 1902.

¹ Vol. 8 is a set of Architects' plans, and has been transferred to the Public Buildings Department.

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[FROM THE CITY ENGINEER'S REPORT TO THE
WATER DEPARTMENT.]

During the past year 18.9 miles of main pipe have been laid and 12.7 miles abandoned, making a total length in the system of 719.6 miles. The following is some of the most important work done :

The 30-inch H.S. main in Washington street, Dorchester, was extended from Talbot avenue to Walton street, a distance of 792 feet.

A 30-inch L. S. main and a 16-inch H. S. main were laid in Bowdoin street, from Beacon street to Ashburton place, after the grade of Bowdoin street had been lowered on account of the construction of the State House Park.

The 24-inch H. S. main in Columbia road was connected between Ceylon and Quincy streets, greatly re-enforcing the water supply in the H. S. districts of the northerly portion of Dorchester and of South Boston.

Two 20-inch L. S. pipes were laid in Southampton street over the New York, New Haven & Hartford Railroad, to be connected at a later date with the 30-inch main when it is raised in the new street.

Sixteen-inch mains were laid in Causeway, Lowell, Willard Spring and Allen streets, from Prince street to Charles street, and in Staniford street from Causeway street to Cambridge street, a total distance of 5,110 feet, connections being made with the 30-inch L. S. main in Causeway street at Haverhill street and at Cambridge street; the pipes relaid were old and in addition to being too small for present needs were, in many cases, dangerously weak.

A 16-inch H. S. main, was laid in Blue Hill avenue, Roxbury, replacing an 8-inch main, from Maywood street to Holburn street, a distance of 839 feet.

A 16-inch L. S. main was laid in Mason street, Charlestown, from Front street to Bow street, replacing a 4-inch main.

A 16-inch L. S. main, replacing a 6-inch main, was laid in Miller street, Charlestown, from Rutherford avenue to Main street, a distance of 675 feet.

A 16-inch main was laid in Columbia road, South Boston, between G street and Q street, a distance of 2,288 feet.

The 16-inch main in Blue Hill avenue, Dorchester, was ex-

tended from Walkhill street to Collins street, a distance of 1,183 feet.

A large part of the work done during the year has been the replacing of old mains with sizes that are adequate for present and estimated future needs; this policy has been consistently carried on for several years past, and the result has been a great improvement in the fire protection of the city.

The only supply of South Boston east of Fort Point channel and north of West First street is from the low service through a single 30-inch main in D street; this main should be extended across Fort Point channel at Congress street or Northern avenue, to afford a second main supply pipe in case of emergency.

The high service should also be carried from the city proper into this territory, to supply adequate fire pipe and sprinkler service. The main for this purpose would cross Fort Point channel in the same location as the 30-inch low service, and would ultimately connect with the existing high service in the older portion of South Boston. The assessed valuation of buildings in this part of South Boston is \$3,712,500, an increase of \$2,088,100 in the past ten years.

I recommend that the present siphons under Fort Point channel at Dover street be widened to sixty feet at an early date.

GENERAL STATISTICS.

BOSTON WATER DEPARTMENT.

Daily average amount used through meters, gallons	16,554,200
Number of services	88,683
Number of meters	5,150
Number of motors	124
Number of elevators	567
Length of supply and distributing mains, in miles	719.6
Number of public fire hydrants in use	7,406
Yearly revenue from schedule rates	\$1,309,821 59
Yearly revenue from metered water	\$952,839 61
Percentage of total revenue from metered water	42.1
Yearly expense of maintenance	\$601,639 35

Average Maximum and Minimum Monthly Heights, in Feet, Above City Base, to which Water Rose at Different Stations on the Boston Water Works.

1901.	Boston Common.		Engine-house No. 8, Salem street.		Engine-house No. 7, East street.		Engine-house No. 38, Congress street, So. Boston.		Engine-house No. 2, Fourth and O streets, So. Boston.		710 Albany street.		Engine-house No. 30, Walnut street, Dorchester.		Engine-house No. 34, Western avenue, Brighton.		Engine-house No. 32, Bunker Hill street, Charlestown.		Engine-house No. 9, Paris street, East Boston.		City Hall, High Service.		Engine-house No. 24, Quincy street, Roxbury. High Service.		Engine-house No. 19, Norfolk street, Dorchester. High Service.		Engine-house No. 23, Chestnut Hill ave., Brighton. High Service.		Parental School, Spring street, West Roxbury. High Service.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
January.....	128.9	121.3	127.2	115.9	127.1	118.3	126.8	115.9	126.1	113.5	128.1	118.9	126.8	113.9	141.7	135.1	165.8	162.1	147.7	135.7	249.7	246.0	247.2	239.2	246.8	238.5	254.9	252.1	247.1	238.1
February....	131.7	126.9	128.4	121.1	129.7	125.1	128.4	121.1	126.9	119.6	131.5	126.4	127.5	119.6	143.8	137.2	169.4	162.2	145.1	132.7	249.6	246.1	247.0	239.0	246.6	238.1	254.7	252.3	246.4	239.0
March	135.8	131.2	132.1	125.7	134.0	129.5	133.1	125.8	132.9	124.7	135.0	129.8	132.2	124.9	145.1	139.7	173.7	162.8	156.9	140.1	249.9	246.1	248.9	240.0	247.6	239.0	254.8	252.0	247.0	239.0
April.....	133.3	131.6	130.3	126.0	132.0	130.2	132.0	126.0	131.5	125.1	133.0	130.4	132.1	123.2	142.7	140.6	174.1	159.4	167.9	151.7	249.5	246.0	248.8	239.5	248.3	242.5	254.8	251.3	247.5	240.0
May.....	134.3	131.0	131.7	126.5	134.1	130.3	133.1	125.3	132.0	124.7	134.0	130.4	131.6	123.6	142.7	140.9	172.3	159.5	167.1	149.5	250.0	246.0	250.0	241.8	248.0	241.3	251.9	250.0	247.4	239.0
June.....	136.7	128.7	134.4	121.1	136.0	126.1	135.8	119.5	135.8	119.0	136.0	128.5	135.1	121.4	142.0	139.5	176.2	162.1	169.8	149.4	249.4	246.0	248.5	238.6	247.8	239.0	249.6	248.7	247.0	236.4
July	135.7	126.3	134.1	119.6	134.5	124.4	134.7	122.9	134.1	118.1	134.9	125.9	132.7	116.2	142.7	139.5	176.2	164.2	169.0	151.9	250.1	242.0	248.4	238.3	247.2	239.0	253.9	253.1	247.3	236.0
August.....	135.4	127.6	133.1	120.8	135.0	127.4	134.8	120.5	132.8	120.1	135.3	127.0	134.3	120.8	140.8	139.2	176.9	160.0	170.7	150.3	248.9	241.2	247.9	238.7	247.3	240.6	254.5	252.1	247.1	237.0
September...	132.9	128.0	131.2	120.3	121.0	127.6	131.6	120.4	131.0	120.2	132.8	127.0	130.7	117.4	141.2	136.3	171.7	158.4	163.2	147.7	247.4	239.5	247.6	238.1	247.8	240.2	254.2	251.7	247.6	236.4
October.....	134.1	128.5	132.4	124.4	134.0	128.0	132.1	123.3	131.3	122.4	134.0	128.2	131.7	120.6	143.4	138.1	175.8	159.0	165.7	149.4	248.3	240.4	248.6	238.5	248.3	239.7	255.0	251.5	248.0	237.6
November...	134.1	129.7	132.0	123.9	133.8	129.0	133.4	124.1	133.2	124.0	133.9	129.2	144.3	140.0	175.0	160.5	165.3	151.0	248.2	241.1	248.9	238.9	247.5	240.1	253.2	251.1	247.0	237.0
December...	131.2	127.8	129.2	122.6	130.9	126.5	130.0	120.3	128.5	120.2	131.0	127.3	144.2	138.3	168.2	157.8	156.8	136.9	248.3	241.0	247.3	238.8	246.1	238.8	249.5	249.0	246.1	236.3
Averages ..	133.7	128.2	131.3	122.3	132.7	126.9	132.1	122.1	131.4	120.9	133.3	127.4	142.9	138.7	172.8	160.7	162.3	145.5	249.1	243.5	243.3	239.1	247.5	239.7	253.3	251.2	247.6	237.7

Monthly Rainfall in Inches During 1901 in Various Places in Eastern Massachusetts.

PLACES.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Framingham	1.86	1.49	6.41	8.00	7.01	1.20	5.19	4.42	2.46	2.57	2.72	10.87	54.70
Dam 4, Ashland	1.97	1.74	6.73	8.34	6.72	1.39	6.37	4.82	3.62	2.62	2.91	10.30	57.53
Cordaville	1.65	1.51	6.80	9.87	7.43	1.56	6.19	4.93	3.73	3.04	3.26	9.31	59.28
Lake Cochituate	1.85	1.80	6.35	7.51	6.93	1.26	6.67	4.48	3.17	2.83	3.03	8.58	54.46
Chestnut Hill Reservoir	1.72	0.77	7.25	8.21	7.14	1.23	6.40	4.15	3.25	3.01	2.83	8.25	54.21
Spot Pond	1.73	0.82	6.83	8.36	7.19	1.86	4.69	3.64	3.67	2.54	2.78	7.96	52.07
Cambridge Observatory	1.73	1.16	6.74	8.26	7.41	1.09	3.18	3.95	3.78	2.87	2.80	8.24	51.21
Waltham, Boston Manufacturing Company	1.36	1.20	6.76	8.62	8.31	1.15	5.34	4.47	3.43	2.72	3.52	8.83	56.21
Lowell, Locks and Canals Company	1.72	1.06	5.76	10.57	7.68	1.49	4.78	3.27	3.28	3.43	2.79	8.55	54.37
Averages of above nine places	1.73	1.28	6.62	8.64	7.31	1.36	5.42	4.24	3.49	2.85	2.96	8.99	54.89

[FROM THE CITY ENGINEER'S REPORT TO THE
STREET DEPARTMENT.]

ALFORD STREET, WIDENING.

In May, 1901, plans were made for the widening of Alford street, north of Malden bridge, by filling a strip twenty feet wide on the west side and protecting the slope with slope paving.

BENNINGTON STREET.

A contract for filling a part of Bennington street, East Boston, was awarded to Jones & Meehan, November 20, 1899. Work under this contract was begun January 16, 1900, and completed February 9, 1901. The total amount of filling furnished was 126,043 cubic yards.

A second contract for furnishing and depositing additional filling in the vicinity of the bridge over the Boston, Revere Beach & Lynn R.R. was awarded to Jones & Meehan, March 18, 1901, at the rate of sixty-three (63) cents per cubic yard measured in the cut. Work under this contract was begun March 19, 1901, and completed August 23, 1901, the total amount of filling furnished was 44,870 cubic yards.

A temporary gravel roadway, a plank sidewalk, and a fence were constructed on the newly-filled part of Bennington street, between Leverett avenue and the Revere town line, about 1,330 feet in length. A contract for this work was awarded to Coleman Bros., July 10, 1901. Work under this contract was begun July 17, 1901, and completed August 23, 1901, at a cost of \$2,286.07.

A contract for extending the abutments of the bridge on Bennington street (formerly Leyden-street bridge), over the Boston, Revere Beach & Lynn R.R., was awarded to John

Cashman, July 8, 1901. Work under this contract was begun August 3, 1901, and completed December 23, 1901, at a cost of \$16,014.48.

BROADWAY BRIDGE.

Plans and specifications were made for repairing the up-stream end of the draw-pier, and a contract was made with William J. Lawler for doing the work. The work was done in March at a cost for contract work of \$843, and consisted in driving and capping nineteen new oak piles, recapping one bent of piles, and building a new floor of stringers and plank for thirty feet.

BROOKS STREET, RETAINING WALLS.

Plans and specifications were prepared early in the year for building retaining walls on that part of Brooks street which is to be depressed so as to pass under the Boston & Albany Railroad. This depression is to occupy the central portion of the street for a width of 40 feet, and for a length of about 350 feet southerly from the railroad. The remaining width of the street on each side of the depressed portion is to be built at higher grades, and these two side roadways are to be connected at the ends adjoining the railroad by a bridge 35 feet wide over the sunken roadway.

A contract was made on July 2 with John F. McBride and Jesse Moulton for building the retaining walls, and on November 22, with the American Bridge Company for building the bridge superstructure. The work is not yet completed.

During the progress of the work a temporary foot-bridge has been maintained across the excavation for the central roadway.

The sewer, water and gas pipes have been relocated and laid in the side roadways.

CARLETON STREET, RETAINING WALL.

Plans and specifications were prepared for building a retaining wall along the westerly side line of Carleton street, adjoining the tracks of the Providence Division of the New York, New Haven & Hartford Railroad between Yarmouth and West Newton streets, and a contract was made with John Cashman for doing the work, dated October 19, 1901.

Up to the date of this report the only work done has been the excavation of the trench for the foundation and the driving of a few piles.

COLUMBIA ROAD.

The filling under the contract with Simon J. Donovan, dated October 25, 1898, is not yet completed, there having been deposited 123,044 cubic yards.

The street work for the bridges over Old Colony avenue and the Plymouth Division of the New York, New Haven & Hartford Railroad, and over Shoreham street, is in place, but the floors of these bridges have not been finished.

On March 12 a contract was made with John Cashman for building the abutments and pier for the bridge which is to carry Columbia road over Shoreham street, and also for building a retaining wall on the southerly side of Mt. Vernon street where the grade of the latter is separated from that of Columbia road. This work is nearly finished.

DOVER-STREET BRIDGE.

The work of removing the old draw foundation and repairing the piers mentioned in the last report was completed by William J. Lawler in February at a cost of \$3,629.87.

All of the old draw foundation not being used in connection with the water pipes was removed, and the remaining part was sheathed over.

The piers (except the part built in 1894) were redecked, the stringers and caps found in poor condition were renewed, the water way of the up-stream pier was replanked and a new flight of stairs was built from the street to the pier.

EAST BOSTON FERRIES.

South Ferry, East Boston Side. — Plans having been made and approved for a new head-house and other buildings, and a change in position of the drops, plans and specifications were prepared by this department for rebuilding the piers and wharves, and May 8, a contract was made with William J. Lawler for doing the work. A new middle pier was built, the outer piers were rebuilt in part, the drops were placed in new position, having new guide-piles and additions to the foundations; two new wharves were built, and the slips were dredged. The south roadway was rebuilt at a higher grade, using part of the old foundation. The work was completed December 13, at a cost of \$19,975.35.

The northerly drop foundation was raised at a cost of \$37.70.

Lines and grades were given for building the coal elevator.

North Ferry, Boston Side.— Specifications were made for renewing one pile in the head of each of the outer piers, the entire head and five other piles in the middle pier, and replanking 58 feet of the northerly face of the middle pier. The work was done by George Hayes & Co., and was completed July 11, at a cost of \$1,986.71.

MOUNT WASHINGTON-AVENUE BRIDGE.

February 26 the steamer "Vizcaina" was stuck in the southerly draw-way of the bridge, and the capping of the bridge was cut away to release her. It being decided to widen the draw-way, plans were made for increasing its width from 42 feet 3 inches to 43 feet 9 inches; the work was done by William J. Lawler at a cost of \$1,900, and was completed April 6.

STAIRWAY FROM SUMMER-STREET BRIDGE TO B STREET.

Plans were prepared for a flight of iron stairs leading from the bridge on Summer street, over B street, to the easterly sidewalk of the latter street, and a contract made with the New England Structural Company for building the same for the sum of \$759.

The foundations for the stairs were built by Joseph Ross, and the treads and landings were provided with safety treads furnished by the Universal Safety Tread Company.

WINTHROP BRIDGE.

The work of renewing the piles damaged by the "Lim-noria" and making other repairs, mentioned in the last annual report, was completed March 13, 1901, by William L. Miller, contractor, at a cost for contract work of \$1,990.22. Thirty-one new oak piles were driven, nine bents were recapped, the sidewalk was replanked, the northerly fence was rebuilt, and other miscellaneous work was done without closing the bridge to travel.

GARBAGE DEPOT.

An estimate and plans were made for establishing a garbage depot on Tenean street.

ASSESSMENT STREETS.

Working plans, specifications and forms of contract were prepared and forwarded for the following assessment streets and public alleys:

- Barry street*, Quincy street to Richfield street.
- Boston street*, Mt. Vernon street to Columbia road.
- * *Brackett street*, Washington street to Faneuil street.
- Brookline avenue*, Longwood entrance to the Back Bay Fens to the Riverway.
- Brooks street*, Holton street to North Beacon street.
- Carlów street*, Albany street to Chadwick street.
- Columbia road*, in the vicinity of Hamilton street.
- Conrad street*, Summer street, westerly.
- Dixfield street*, Old Harbor street to Covington street.
- Draper street*, Robinson street to Bowdoin street.
- Fairfax street*, Carruth street to Beaumont street.
- * *Fayston street*, Blue Hill avenue to Mascoma street.
- Forest Hills street*, Washington street to Glen road.
- Gainsborough street*, St. Stephen street to Hemenway street.
- Gibson street*, Dorchester avenue to Adams street.
- Hamilton street*, Columbia road to Mt. Everett street.
- Hancock street*, Columbia road to Winter street.
- * *Hinckley street*, Pleasant street to Bakersfield street.
- ¹ *Lansdowne street*, Ipswich street, 300 feet westerly.
- Leeds street*, Woodward street to Dorchester avenue.
- Leonard street*, Duncan street to Adams street.
- Milk street*, India street to Atlantic avenue.
- Millet street*, Park street to Athelwold street.
- * *Morrill street*, Pleasant street to Bakersfield street.
- Moseley street*, Crescent avenue to Columbia road.
- Newland street*, West Brookline street to West Newton street.
- Normandy street*, Lawrence avenue across Grove street.
- * *Oak Square avenue*, Washington street to Faneuil street.
- Perkins street*, Centre street to Jamaica way.
- Robinwood avenue*, Centre street to Hazel street.
- ¹ *Roseland street*, Beacon street to Medfield street.
- Shepton street*, Dorchester avenue to Florida street.
- * *Snow street*, Washington street to Union street.
- South street*, Jamaica street to Arborway.
- Spencer street*, Athelwold street to Harvard street.
- Storer street*, Atlantic avenue to India street.
- Templeton street*, Dorchester avenue to Adams street.
- Thane street*, Athelwold street to Harvard street.
- Torrey street*, Washington street to Wentworth street.
- * *Vinson street*, Park street to Geneva avenue.
- Wainwright street*, Centre street to Welles avenue.
- Washington street*, Morton street to Tower street.
- Westbourne street*, Cornell street to Beech street.
- West Tremlet street*, Washington street to Whitfield street.

* Specifications only have been forwarded.

¹ To be built by private parties, under the supervision of the Street Department.

Public Alleys Between Beacon Street and Marlborough Street.

Public alley, No. 414, Hereford street to Massachusetts avenue.

Public alley, No. 415, Gloucester street to Hereford street.

Public alley, No. 416, Fairfield street to Gloucester street.

Public alley, No. 417, Exeter street to Fairfield street.

Public alley, No. 421, Arlington street to Berkeley street.

Public Alleys Between Marlborough Street and Commonwealth Avenue.

Public alley, No. 422, Arlington street to Berkeley street.

Public alley, No. 423, Berkeley street to Clarendon street.

Public alley, No. 424, Clarendon street to Dartmouth street.

Public alley, No. 426, Exeter street to Fairfield street.

Public alley, No. 427, Fairfield street to Gloucester street.

Public alley, No. 428, Gloucester street to Hereford street.

Public alley, No. 429, Hereford street to Massachusetts avenue.

Public Alleys Between Commonwealth Avenue and Newbury Street.

Public alley, No. 430, Massachusetts avenue to Hereford street.

Public alley, No. 433, Fairfield street to Exeter street.

Public alley, No. 434, Exeter street to Dartmouth street.

Public alley, No. 435, Dartmouth street to Clarendon street.

Public alley, No. 436, Clarendon street to Berkeley street.

Public Alleys Between Newbury Street and Boylston Street.

Public alley, No. 438, Arlington street to Berkeley street.

Public alley, No. 440, Dartmouth street to Exeter street.

Public alley, No. 441, Exeter street to Fairfield street.

Public alley, No. 442, Fairfield street to Gloucester street.

Public alley, No. 443, Gloucester street to Hereford street.

Public alley, No. 444, Hereford street, about 521 feet southwesterly.

Public alley, No. 502, between Rutland and Concord squares, from Columbus avenue to Tremont street.

Public alley, No. 503, Rutland square to Concord square, next east of Columbus avenue.

Public alley, No. 706, between Concord street and Worcester street, from Newland street, about 560 feet northwesterly.

Public alley, No. 901, between Hemenway street and the Fenway, from Hemenway street to Hemenway street.

Public alley No. 905, west from Massachusetts avenue, between Marlborough street and Commonwealth avenue and to Marlborough street.

PLANS AND SPECIFICATIONS FOR REPAVING STREETS.

Preliminary surveys were made and the working plans, specifications and forms of contract were prepared and forwarded for repaving the following streets :

Adams square, Cornhill to Elm street.

Arch street, Summer street to Franklin street.

Arlington street, Beacon street to Boylston street.

Athens street, C street to D street.

Avon street, Washington street to Chauncy street.

Beacon street (south side), Charles street to Arlington street, asphalt, specifications only.

Beacon street, Massachusetts avenue to Raleigh street.

Blue Hill avenue, Lawrence avenue to Dewey street.

Blue Hill avenue, Intervale street to Warren street.

Bowen street, C street to E street.

Boylston street, Tremont street to Arlington street.

Boylston street, Huntington avenue across Dartmouth street.

Condor street, Meridian street to Brooks street.

Congress street, Exchange place to Atlantic avenue.

Dartmouth street, Huntington avenue to Columbus avenue.

Dartmouth street, Boylston street to Huntington avenue.

Dock square, Faneuil Hall square to Adams square.

East First street, L street to P street.

Essex street (*Charlestown*), Rutherford avenue to Hancock square.

Essex place, Essex street to Tufts street.

Faneuil Hall square, south of Faneuil Hall.

Franklin street, Washington street to Oliver street.

Gold street, B street to D street.

Green street, Bowdoin square to Chambers street.

Heath street, Columbus avenue to Parker street.

High street, Broad street to Summer street.

Huntington avenue, Boylston street across Dartmouth street.

India street, Milk street to India square.

Lawrence street (*Charlestown*), Austin street to Lawrence avenue.

Lawrence street (*Charlestown*), Lawrence avenue across Miller street.

Lincoln street, Kneeland street to Beach street.

Marlborough street, Arlington street to Clarendon street.

Mason street, West street, 213 feet, south.

Massachusetts avenue, Beacon street to Huntington avenue.

Milk street, Washington street to Congress street.

Milk street, Pearl street across Oliver street.

Miller street (*Charlestown*), Main street to Lawrence st.

Morton street, Salem street to Endicott street.

Newbury street, Fairfield street to Massachusetts avenue.

New Heath street, Columbus avenue to Parker street.

Otter street, Beacon street to Charles river.

Pearl street, Atlantic avenue to Milk street.
Portland street, Hanover street to Causeway street.
Salem street, Endicott street to Prince street.
Silver street, B street to D street.
Tremont street, Castle street across Berkeley street.
Tudor street, C street to D street.
Tufts street, South street to Kingston street.
Tyler street, Oak street to Harvard street.
Union street, Dock square to Haymarket square.
Warren street (Charlestown), Winthrop street to Soley street.
Washington street (West Roxbury), School street to Green street.
West First street, A street to railroad tracks.

MISCELLANEOUS.

Plans have been prepared of the following assessment streets, preliminary to construction :

Adams street (Charlestown), Common street to Chestnut street.
Ainsley street, Rosemont street, southerly.
Austin street, Washington street to Lawrence street.
Berkeley street, Boylston street to Columbus avenue.
Blanche street, Greenhill street to Preston street.
Bow street, Washington street to City square.
Bowen street, E street to F street.
Brackett street, Washington street to Faneuil street.
Capen street, Evans street to Fairmount street.
Carleton street, Yarmouth street to West Newton street.
Carter street, Cambridge street to Roland street.
Dakota street, Washington street to Greenbrier street.
Darling street, Calumet street to Hillside street.
Devens street, Rutherford avenue to Washington street.
Fayston street, Blue Hill avenue to Mascoma street.
Fisher avenue, Hayden street to Parker Hill avenue.
Hinckley street, Pleasant street to Bakersfield street.
Louder's lane, Centre street, about 325 feet southwesterly.
Mead street, Russell street to Bunker Hill street.
Milton avenue, Lauriat avenue to Norfolk street.
Morrill street, Pleasant street to Bakersfield street.
Moultrie street, Allston street to Washington street.
Oak Square avenue, Washington street to Faneuil street.
Oakwood street, Norfolk street to Torrey street.
Ritchie street, Columbus avenue to Marcella street.
Roland street, Boston & Maine Railroad to Somerville line.
Rosemont street, Adams street to Gustine street.
Rutherford avenue, Chapman street to Devens street.
Snow street, Washington street to Union street.
Tower street, Hyde Park avenue to Forest Hills cemetery.
Vinson street, Park street to Geneva avenue.

Walter street, Centre street to South street.
Washington street, Talbot avenue to Euclid street.
Wayland street, Howard avenue to Dacia street.
Windermere road, Stoughton street to Cushing avenue.
Winthrop street, Dennis street to Brook avenue.

GRADING STREET RAILWAY TRACKS.

Grades for tracks in the following streets have been determined and the necessary surveys made for determining the same :

BOSTON ELEVATED RAILWAY COMPANY.

Adams square, Cornhill to Elm street.
Beacon street, Massachusetts avenue to Raleigh street.
Blue Hill avenue, Intervale street to Warren street.
Boylston street, Charles street to Arlington street.
Congress street, Milk street to Exchange place.
Copley square, streets bounding.
Dartmouth street, Huntington avenue to Columbus avenue.
Franklin street, Washington street to Federal street.
Gibson street, Dorchester avenue to Adams street.
Hancock street, Columbia road to Winter street.
Harrison avenue, Massachusetts avenue to Eustis street.
High street, Fort Hill square to Broad street.
Lincoln street, Kneeland street to Beach street.
Massachusetts avenue, Beacon street to Huntington avenue.
Milk street, Washington street to Congress street.
Portland street, Hanover street to Causeway street.
South street, Jamaica street to the Arborway.
Tremont street, at Berkeley street.
Warren street (Charlestown), Soley street to Winthrop street.
Washington street (Dorchester), Bowdoin street to Norfolk street.
Washington street (West Roxbury), School street to Green street.

NEW YORK, NEW HAVEN & HARTFORD RAILROAD COMPANY.

West First street, A street to New York & New England Railroad tracks.

Total length of single track grades, 10.3 miles.

MISCELLANEOUS PLANS, SPECIFICATIONS, ETC.

The following plans have been prepared and the preliminary surveys necessary for the same have been made :

Bennington street, Leverett street to Revere town line; plan and specification for temporary roadway, plank sidewalks and fence.

Bowdoin street (city proper), section of underground construction.

Brooks street, Holton street to North Beacon street; cross section for construction.

Hancock street, Columbia road to Winter street; plan and specification for retaining wall and fence, at paving yard.

Mead street, Russell street to Bunker Hill street; plan and specification for artificial stone retaining walls and steps, iron fences and hand rails.

Perkins street, showing proposed connection with Jamaica way.

South street, showing proposed connection with the Arborway.

Plans showing details of construction of streets and other structures have been made from time to time as required.

The street book, giving lengths and areas of pavements in accepted streets and public alleys, has been corrected to February 1, 1901, and is now being corrected to February 1, 1902.

MISCELLANEOUS WORK AND CONSTRUCTION IN 1901.

ATLANTIC AVENUE EXTENSION.

On February 28, a contract was made with Joseph Ross for building a part of the northerly approach to the bridge over the tracks of the Boston Terminal Company. On June 6 a contract was made with Mr. Ross for a small addition to the work, to be done under the previous contract. The whole work under these contracts was completed on December 5, at a cost of \$40,990.42.

The work consisted of building retaining walls and an abutment, and backfilling the same with earth to the grade of the proposed street for the full width of the street, and for a distance southerly from Kneeland street of about 442 feet. From the abutment to point where the bridge over the tracks is to begin, a distance of 430 feet, foundations to Grade 15 were built for three longitudinal parallel walls; these walls are intended for the support of a floor of steel beams and concrete or brick arches upon which will be laid the paving for the roadway and sidewalk. The walls are all supported on piles upon which there is a foundation of American cement concrete from Grade 5 to Grade 15. The walls built above the foundations are of granite ashlar masonry, capped with a cut granite coping. Considerable difficulty was found on this work in driving the piles on account of the character of the material with which the land had been previously filled.

On May 2, a contract was made with Joseph Ross for building that portion of the South Boston approach between the water and Foundry street. This work was completed, with the exception of a little pointing, on December 23, at a cost of \$26,006. The work was of the same character as that on the solid part of the northerly approach, consisting of an abutment and retaining walls backfilled to the grade of the street.

Nothing has been done as yet on either of these approaches towards laying the permanent paving.

Land plans have been made showing the areas to be occupied by the piers on the land of the Boston Terminal Company.

ALFORD STREET WIDENING.

See page 86.

BENNINGTON STREET.

See page 86.

BROADWAY BRIDGE PIERS.

See page 87.

BROADWAY BRIDGE REBUILDING OVER FORT POINT CHANNEL.

The first work done towards rebuilding this bridge was the building of a temporary bridge for foot travel. A contract was made with Miller & Ellis on June 1 for doing this work, which was finished on August 30, at a cost of \$6,766.33.

This bridge is entirely of wood; it is 15 feet wide, and consists of bents of piles 16 feet apart, except where longer spans are required at the crossing of the railroad tracks; the piles are capped with 4-inch by 10-inch girder-caps; stringers are of spruce and hard pine, and the floor is of 2-inch hard pine.

The bridge extends from Foundry street, opposite Division street, across the land of the New York, New Haven & Hartford Railroad Company to the draw, and from the draw, on the northerly side of the bridge and about ten feet away from it across Lehigh street, where it connects with the present street. The draw is maintained in a position diagonally with the line of the street, so that it clears the sites of the proposed new draw landing-piers. The bridge starts at the grade of Foundry street, and rises to Grade 38.50, where it crosses the new location of the New York, New Haven & Hartford Railroad, thence falls to the grade of the draw, and from the draw falls to meet the grade of the street west of Lehigh street.

The old bridge was closed to team and car traffic on September 3, and the foot-bridge opened on September 7.

The draw pier, a portion of which was in a dilapidated condition, has been repaired, all portions which had not been recently rebuilt being entirely removed and replaced with new work. Much of the old work had been standing since the bridge was originally built in 1869. This work was done under a contract with George Hayes & Co., dated July 30, and was completed October 31, at a cost of \$6,114.17.

In order that the New York, New Haven & Hartford Railroad Company might not be delayed in building the road-bed on its new location, a portion of the old bridge, about 240 feet in length, was removed by A. A. Elston & Co. under a contract dated August 19, the city receiving in payment from the contractor the sum of \$525.

On October 25 a contract was made with Patrick McGovern for building the permanent piers for the South Boston portion of the bridge, between the water and Foundry street. This work is now in progress.

BROOKS-STREET RETAINING WALLS.

See page 87.

CARLETON-STREET RETAINING WALL.

See page 87.

CITY HOSPITAL.

A portion of the yard near the northerly entrance from Albany street was provided with drainage and surfaced with an asphalt roadway and artificial stone walks, under a contract with Simpson Brothers Corporation. The work was finished on September 9.

On July 29, a contract was made with Joseph Ross for extending the brick wall on the northerly line of Massachusetts avenue, westerly to Harrison avenue, and thence northerly on Harrison avenue to near the old building used for a Nurses' Home, and also for building drains and surfacing the grounds, drives and walks in the vicinity of the new Vose Building. This work was completed on November 11, at a cost of \$8,908.11.

Portions of the old wall on Massachusetts avenue and Albany street which had settled out of line and grade were raised to grade and straightened.

COLUMBIA ROAD.

See page 88.

DOVER-STREET BRIDGE.

See page 88.

EAST BOSTON FERRIES.

See page 88.

GARBAGE DEPOT.

See page 89.

MOUNT WASHINGTON-AVENUE BRIDGE.

See page 89.

MALDEN BRIDGE.

This bridge, mentioned in the last annual report as under construction, is nearly completed.

The bridge is 60 feet wide between fences for the greater part of its length, but is 67 feet 6 inches wide for a length of about 160 feet on the Charlestown side.

It is built of hard pine timber, supported by an oak pile foundation. There are two sidewalks, each 8 feet wide, covered with an asphalt compound on a base of coal-tar concrete. The roadway on the main bridge is 44 feet wide for the greater length, and 51 feet 6 inches in width for the remaining portion. At the

draw the roadway is divided into two parts, on account of a centre girder, each part being 19 feet 6 inches wide.

The floor of the main bridge is covered with 6-inch hard pine, which was painted with two coats of Letteney's preservative compound; it was then covered with four thicknesses of roofing felt, thoroughly mopped with pitch. This was then covered with a layer of coal-tar concrete, 1 inch in thickness, put on hot and thoroughly rolled. Upon this was laid the granite block paving in a bed of sand about 3 inches in depth, the joints being filled with pebbles, and run with hot paving road pitch.

There are two draw piers and two wharves on the Charlestown side of the channel, and two fender-guards on the opposite side. There is one draw-way 50 feet wide, the sides of which and the faces of the piers along the waterway are planked vertically with 4-inch hard pine.

The piers and wharves are built of hard pine, the covering plank being 3-inch kyanized spruce. The channel is spanned with one draw, 60 feet wide, of the retractile type, having three lines of girders. These girders are 23 feet on centres. There are two sidewalks on the draw, each 7 feet wide, supported by brackets on the outside of the girders. Each line of girders is composed of two non-continuous plate-girder spans, one of which spans the channel, the other or rear span being supported on trucks running on tracks laid on the draw foundation.

The contract for building the draw was awarded to the New England Structural Company, for \$15,200, and their part of the work is completed. The contract for building the wooden pile bridge was awarded to William J. Lawler of Charlestown, for \$66,079, and all but a small part of the down-stream pier is completed. The ten trucks for the draw were built by the Coffin Valve Company, for \$3,197.50. The motor and electrical work for operating the draw was installed by the General Electric Company, for \$862.91. The machinery was furnished by Miller & Shaw of Cambridge, for \$1,597.05.

The bridge was opened to travel on November 23, 1901, and the removal of the temporary bridge was begun at once and it has been entirely removed. Plans have been made for a new draw-tender's house to be erected on the new wharf on the down-stream side of the bridge. The northerly abutment has been extended about $18\frac{1}{2}$ feet and a retaining wall built about 49 feet long.

SOUTHAMPTON-STREET BRIDGE.

Work was begun on October 21 on the erection of the steel superstructure of the bridge over the new location of the Old Colony Division of the New York, New Haven & Hartford Railroad. The recent widening of this street made necessary alterations of the parapets of the abutments of the bridge. The work was in progress when winter began, and it was thought best to suspend operations until spring, when the work can be finished in a short time.

SUMMER-STREET BRIDGE TO B-STREET STAIRWAYS.

See page 89.

VOTING BOOTHS.

Plans and specifications were made for building twenty voting booths for the Election Department; they were built, under the supervision of this office, by Alfred F. Kinney at a cost of \$5,533.61. The work was done on the grounds of the Marcella-street Home, and a new gate to the grounds was built by Calvin Lamont.

WINTHROP BRIDGE.

See page 89.

MISCELLANEOUS.

Grades have been given for a driveway at Pierce Farm.

A plan and estimate were made for grading the grounds around the Roger Wolcott School-house, on Morton and Norfolk streets, Dorchester.

A plan and estimate have been made for extending Muddy river and Stony brook covered channels by a conduit along the embankment of Charles river, from Ashby street to a point below the proposed dam just above Leverett street.

Respectfully submitted,

WILLIAM JACKSON,

City Engineer.

CITY ENGINEERS.

1850-1901.

E. S. CHESBROUGH, M. Am. Soc. C. E.,
November 18, 1850, to October, 1855.
(Died August 18, 1886.)

JAMES SLADE,
October 1, 1855, to April 1, 1863.
(Died August 25, 1882.)

N. HENRY CRAFTS,
April 1, 1863, to November 25, 1872.

JOSEPH P. DAVIS, M. Am. Soc. C. E.,
November 25, 1872, to March 20, 1880.
(Resigned March 20, 1880.)

HENRY M. WIGHTMAN, M. Am. Soc. C. E.,
April 5, 1880, to April 3, 1885.
(Died April 3, 1885.)

WILLIAM JACKSON, M. Am. Soc. C. E.,
April 21, 1885, to the present time.

APPENDICES.

APPENDIX A.—Table showing the widths of openings for vessels in all bridges provided with draws.

APPENDIX B.—List of estimate plans furnished the Assessment Division of the Street Laying-Out Department from February 1, 1900, to February 1, 1901.

APPENDIX C.—Table of accident and other plans made for the Law Department from February 1, 1900, to February 1, 1901.

APPENDIX D.—Table of surveys, plans, and profiles made by the Surveying Division of the Engineering Department from February 1, 1900, to February 1, 1901.

APPENDIX E.—List of streets where frontages have been obtained for the Sewer Division of the Street Department, for Sewer Assessments, from February 1, 1900, to February 1, 1901.

APPENDIX F.—Engineering Department property schedule.

APPENDIX G.—Elevations referred to Boston city base.

APPENDIX H.—Engineering Department Annual Reports, 1867-1902.

APPENDIX I.—Engineering Department, Revised Ordinances.

APPENDIX J.—List of early maps of Boston 1614-1822.

APPENDIX K.—Meridian Line.

APPENDIX A.

Table showing the Widths of Openings for Vessels in all Bridges provided with Draws, in the City of Boston, January, 1902.

NAME OF BRIDGES.	LOCATION.	NUMBER OF OPENINGS.	WIDTH.	
			Feet.	In.
Boston & Maine R.R., Eastern Division.....	Boston to Charlestown.....	1	39	7
" " " ".....	Over Miller's River.....	1	35	9
" " " ".....	Boston to East Cambridge.....	1	40	2
" " " ".....	" " " ".....	1	39	7
" " " ".....	Boston to Charlestown.....	1	39	7
" " " ".....	Over Miller's river.....	1	35	10
Broadway.....	Over Fort Point channel.....	1	43	0
Cambridge-st.....	Brighton to Cambridge.....	1	36	4
Canal.....	Boston to East Cambridge.....	1	36	0
Charlestown (Main Channel).....	Boston to Charlestown.....	2	50	0
" " (North " ").....	" " " ".....	50	0
Chelsea (South Channel).....	Charlestown to Chelsea.....	1	38	10
" " (North " ").....	" " " ".....	1	60	0
Chelsea-st. (East Boston side).....	East Boston to Chelsea.....	2	36	0
" " (Chelsea side).....	" " " ".....	36	0
Commercial-point.....	Dorchester.....	1	24	2
Congress-st. (Boston side).....	Over Fort Point channel.....	2	43	3
" " (South Boston side).....	" " " ".....	43	9
Dover-st.....	" " " ".....	1	37	0
Essex-st.....	Brighton to Cambridge.....	1	36	0
Federal-st.....	Over Fort Point channel.....	1	41	6

APPENDIX A. — *Concluded.*

NAME OF BRIDGES.	LOCATION.	NUMBER OF OPENINGS.	WIDTH.	
			Feet.	In.
Fitchburg R.R.	Boston to Charlestown.	1	36	0
" " (for teaming freight)	" "	1	36	0
Grand Junction R.R.	Brighton to Cambridge.	1	36	0
" "	East Boston to Chelsea.	1	49	2
Granite	Dorchester to Milton.	1	36	0
Harvard (Boston side)	Boston to Cambridge.	2	36	6
" (Cambridge side)	" "	36	10
L-st.	Over Reserved channel, South Boston.	1	39	9
Malden	Charlestown to Everett.	1	50	0
Meridian-st. (East Boston side)	East Boston to Chelsea.	2	59	2
" (Chelsea side)	" "	59	0
Mt. Washington-ave. (Boston side)	Over Fort Point channel.	2	42	2
" (South Boston side)	" "	43	7
Neponset	Dorchester to Quincy.	1	36	0
N. Y., N. H., & H. R.R.	Over Fort Point channel.	1	41	5
" " " " Y connection	" "	41	10
" " " " Midland Division.	Over South Bay.	1	28	4
" " " " Old Colony Division.	Dorchester to Quincy.	1	35	10
North Beacon-st.	Brighton to Watertown.	1	30	0
North Harvard-st.	Brighton to Cambridge.	1	36	0
Prison-point	Charlestown to Cambridge.	1	36	0
Summer-st.	Over Fort Point channel.	1	50	0
Warren	Boston to Charlestown.	1	36	0
West Boston.	Boston to Cambridge.	1	36	0
Western-ave.	Brighton to Cambridge.	1	36	0
"	Brighton to Watertown.	1	35	10

APPENDIX B.

LIST OF ESTIMATE PLANS FURNISHED THE ASSESSMENT
DIVISION OF THE STREET LAYING-OUT DEPARTMENT,
FROM FEBRUARY 1, 1901, TO FEBRUARY 1, 1902.

BOSTON PROPER.

(North of Massachusetts avenue.)

Berkeley street. — Boylston street to Columbus avenue.
Congress square. — Congress street to Devonshire street.
Genesee street. — From Albany street.
Portland street. — Opposite Market street.
Public alley No. 102. — Marshall street to Creek square.
Public alley No. 438. — Berkeley street to Arlington street.
Public alley No. 439. — Dartmouth street to Clarendon street.
Public alley No. 440. — Exeter street to Dartmouth street.
Public alley No. 441. — Fairfield street to Exeter street.
Public alley No. 442. — Gloucester street to Fairfield street.
Public alley No. 443. — Hereford street to Gloucester street.
Public alley No. 444. — Hereford street to near Boston and
Albany railroad.
Public alley No. 702. — West Springfield street to Worcester
street.
Public alley No. 703. — Public alley No. 702 to Newland street.
Sears street. — India street to Central Wharf.

SOUTH BOSTON.

B street. — West First street to Congress street.
Dixfield street. — Old Harbor street to Covington street.

EAST BOSTON.

Bennington street. — Prescott street to Revere line

CHARLESTOWN.

Alford street. — Mystic river to Everett line.

ROXBURY.

(South of Massachusetts avenue.)

Ashby street. — Commonwealth avenue to Bay State road.
Brookline avenue. — Longwood entrance to Brookline line.

Cardington street. — Cobden street to Fenner street.
Carlów street. — Albany street to Chadwick street.
Chilmark street. — Commonwealth avenue to Bay State road.
Dunford street. — Cobden street to Fenner street.
Hutchings street. — Elm Hill avenue to Humboldt avenue.
Swett street. — Albany street to Dorchester avenue.

DORCHESTER.

Barry street. — Richfield street to Quincy street.
Denny street. — At Springdale street.
Florida street. — King street to Templeton street.

WEST ROXBURY.

Custer street. — Woodman street to Arnold Arboretum.
Fairview street. — Jones street to Mendum street.
Mendum street. — Walter street to Fairview street.
South Huntington avenue. — Heath street to Centre street.

APPENDIX C.

TABLE OF ACCIDENT AND OTHER PLANS MADE FOR THE
LAW DEPARTMENT, FROM FEBRUARY 1, 1901, TO FEB-
RUARY 1, 1902.

BOSTON PROPER.

- Albany street.* — Plan of street near Seneca street.
Battery street. — Plan of street near East Boston Ferry.
Beach street. — Plan of street in front of Nos. 8 and 12.
Berkeley street. — Plan of street in front of No. 1.
Blackstone street. — Plan of street in front of No. 152.
Bosworth street. — Plan of street at Province street.
Boylston street. — Plan of street in front of No. 144.
Brighton street. — Plan of street at Poplar street.
Cambridge street. — Plan of street in front of No. 369.
Causeway street. — Plan of street in front of No. 35.
Charles street. — Plan of street in front of No. 361.
Church street. — Plan of street opposite Shawmut street.
Cobb street. — Plan of street at Mayo street.
Columbus avenue. — Plan of street in front of No. 467.
Columbus square. — Plan of street in front of No. 8.
Commercial street. — Plan of street at North street.
Court street. — Plan of street in front of No. 158.
Eastern avenue. — Plan of street at East Boston Ferry.
Eastern avenue. — Plan of street in front of No. 38.
Federal street. — Plan of street in front of No. 95.
Harrison avenue. — Plan of street in front of No. 714.
Hudson street. — Plan of street in front of No. 56.
Leverett street. — Plan of street at Brighton street.
Massachusetts avenue. — Plan of street in front of No. 356.
Merrimac street. — Plan of street at Sudbury street.
North Bennet street. — Plan of street opposite Eliot School.
Northampton street. — Plan of street in front of No. 6.
Portland street. — Plan of street at Sudbury street.
Salem street. — Plan of street in front of No. 140.
Shawmut avenue. — Plan of street in front of No. 64.
Tremont street. — Plan of street in front of No. 610.
Tremont street. — Plan of street in front of No. 1082.
Tremont street. — Plan of street at School street.
Trumbull street. — Plan of street in front of No. 40.
Washington street. — Plan of street in front of No. 303.
Washington street. — Plan of street at corner of Bedford street.
Wareham street. — Plan of street in front of No. 63.

- West Canton street.* — Plan of street in front of No. 141.
West Dedham street. — Plan of street in front of No. 33.
Windsor street. — Plan of street in front of Nos. 30 and 32.
Yarmouth street. — Plan of street at Carleton street.

SOUTH BOSTON.

- Bowen street.* — Plan of street in front of Nos. 142 and 144.
Broadway. — Plan of street in front of No. 591.
C street. — Plan of street in front of Drake School.
D street. — Plan of street at corner of Sixth street.
Dorchester avenue. — Plan of street in front of No. 82.
Grimes street. — Plan of street in front of No. 20.

EAST BOSTON.

- Bennington street.* — Plan of street in front of No. 430.
Brooks street. — Plan of street at Bennington street.
Lexington street. — Plan of street near Meridian street.
Meridian street. — Plan of street, corner London street.
Meridian street. — Plan of street at Chelsea bridge.
Porter street. — Plan of street in front of No. 21.
Sumner street. — Plan of street in front of No. 286.

CHARLESTOWN.

- Chelsea street.* — Plan of street north end of Chelsea bridge.
Chelsea street. — Plan of street south end of Chelsea bridge.
Chapman street. — Plan of street in front of No. 45.
Salem street. — Plan of street in front of No. 6.

ROXBURY.

- Columbus avenue.* — Plan of street in front of No. 1082.
Dallas place. — Plan of street in front of No. 2.
Dudley street. — Plan of street in front of No. 285.
Dudley street. — Plan of street in front of No. 127.
Elmwood street. — Plan of street in front of No. 7.
Fairland street. — Plan of street in front of Nos. 9 and 11.
Gurney street. — Plan of street in front of Lefevre's Hotel.
Hollander street. — Plan of street near Humboldt avenue.
Laurel street. — Plan of street at Ottawa street.
Lenox street. — Plan of street in front of No. 142.
Tremont street. — Plan of street in front of No. 1082.
Walden street. — Plan of street at Round Hill street.
Washington street. — Plan of street in front of No. 2058.

DORCHESTER.

- Dorchester avenue.* — Plan of street in front of Nos. 1828 and 1830.
Glenway street. — Plan of street near Blue Hill avenue.
Kingsdale street. — Plan of street at Standish street.
King street. — Plan of street at Hemenway School lot.

WEST ROXBURY.

Centre street. — Plan of street in front of No. 542.

Paul Gore street. — Plan of street in front of No. 126.

Washington street. — Plan of street at Forest Hills square.

BRIGHTON.

Eastburn street. — Plan of street at Washington street.

Commonwealth avenue. — Avon street and Cummington street.
Plan of land for damage suit.

North Harvard street. — Plan showing district between Charles River and Western avenue, both sides of North Harvard street.

APPENDIX D.

TABLE OF SURVEYS, PLANS AND PROFILES MADE BY THE
SURVEYING DIVISION OF THE ENGINEERING DEPART-
MENT FROM FEBRUARY 1, 1901, TO FEBRUARY 1, 1902.

CITY PROPER.

(North of Massachusetts Avenue.)

- Albany street.* — Southeasterly side. Plan of wharf belonging to City Hospital Department.
- Albany street.* — At Sewer Division yard. Plan showing heights in yard, for Public Buildings Department.
- Alley.* — Wareham street to Plympton street. Plan and profile for proposed grade.
- Bath street.* — Plan and profile for revised grade.
- Battery street.* — Commercial street to the North Ferry. Plan for relocation, addition.
- Beacon street.* — Westerly corner Tremont place. Plan and profile for proposed grade.
- Beacon street.* — Northerly side, Hereford street to Gloucester street. Plan and profile for proposed grade.
- Beacon street.* — Easterly corner Park street. Plan for widening.
- Berkeley street.* — Columbus avenue to Boylston street. Plan showing estates for construction assessment.
- Blackstone street.* — Plan and profile of edgestone.
- Broad street.* — Plan and profile for revised grade.
- Bulfinch street.* — Near Howard street. Plan showing line.
- Clarendon street.* — St. James avenue to Columbus avenue. (Straight line.) Plan and profile for laying out and established grade.
- Columbus avenue.* — Park square to Massachusetts avenue. Plan showing estates for construction assessment.
- Congress street.* — At Dorchester avenue. Plan and profile for revised grade.
- City Hospital.* — Corner Harrison avenue and East Concord street. Plan showing levels on lot for Public Buildings Department.
- Dock square.* — Plan and profile of edgestone.
- Dock square.* — Plan of.
- Dorchester avenue.* — Summer street to Congress street. Plan and profile for revised grade.
- East Concord street.* — From Harrison avenue, southeast. Plan and profile for revised grade.

- Eastern avenue.* — Plan of land leased by city, on Sargent's wharf.
- Edinboro' street.* — Plan and profile for revised grade.
- Faneuil Hall square.* — Plan showing heights of sidewalk.
- Franklin street.* — Broad street to Hamilton street. Plan and profile for revised grade.
- Garrison street.* — Huntington avenue to New York, New Haven, & Hartford Railroad. Plan and profile for extension and established grade.
- Hale street.* — From Green street. Plan showing estates, for construction assessment.
- Harrison avenue.* — East Concord street to Massachusetts avenue. Plan and profile for revised grade.
- Holyoke street.* — Plan and profile for revised grade.
- India street.* — Westerly side, Milk street to Central street. Plan and profile for proposed grade.
- Lincoln street.* — Essex street to Tufts street. Plan and profile for revised grade.
- Lincoln street.* — Beach street to Tufts street. Plan and profile for revised grade.
- Lincoln street.* — Easterly side, Beach street to Kneeland street. Plan and profile for revised grade.
- Marlboro' street.* — Clarendon street to Massachusetts avenue. Plan and profile of edgestone for revised grade.
- Mercantile street.* — Clinton street to Richmond street. Plan and profile of edgestone for revised grade.
- North street.* — Near Harris street. Plan for relocation.
- North Russell street.* — Plan and profile of edgestone.
- Ordway place.* — From Washington street to Province court. Plan and profile for laying out and established grade.
- Park street.* — Easterly corner Beacon street. Plan for widening.
- Pembroke street.* — West of High School. Plan of lot for addition to school.
- Portland street.* — No. 102. Plan for widening.
- Portland street.* — No. 102. Plan showing estate for construction assessment.
- Public alley No. 12.* — Off Poplar street. Plan and profile for laying out and established grade.
- Public alley No. 301.* — Mt. Vernon street to Pinckney street. Plan showing estates for construction assessment.
- Public alley No. 303.* — From Pinckney street. Plan and profile for laying out and established grade.
- Public alley No. 432.* — Fairfield street to Gloucester street. Plan showing estates for construction assessment.
- Public alley No. 502.* — From Public alley No. 501 to Public alley No. 503. Plan and profile for laying out and established grade.
- Public alley No. 503.* — From Concord street to Rutland square. Plan and profile for laying out and established grade.

- Public alley No. 504.* — Off Truro street. Plan and profile for laying out and established grade.
- Public alley No. 706.* — From Newland street, northwest, between West Concord street and Worcester street. Plan and profile for laying out and established grade.
- Public alley No. 707.* — From West Concord street to Rutland street. Plan and profile for laying out and established grade.
- Public alley No. 708.* — From Newland street to Public alley No. 707. Plan and profile for laying out and established grade.
- Sears street.* — Plan showing estate for construction assessment.
- Shawmut avenue.* — Pleasant street to Corning street. Plan and profile for proposed grade.
- St. Charles street.* — Showing portion taken by the New York, New Haven & Hartford Railroad.
- South street.* — Beach street to Kneeland street. Plan and profile for proposed grade.
- South street.* — Westerly side, Kneeland street to Harvard street. Plan and profile for revised grade.
- Truro street.* — Harwich street to bend. Plan and profile for proposed grade.
- Union street.* — Plan and profile of edgestone.
- Washington street.* — Easterly corner Water street. Plan and profile of edgestone for proposed grade.
- Water street.* — Easterly corner Washington street. Plan and profile of edgestone for proposed grade.
- Way street.* — Plan and profile for revised grade.

SOUTH BOSTON.

- Bowen street.* — Between E street and F street. Plan and profile showing laying out and established grade.
- Dorchester avenue.* — Broadway. City stable lot.
- Dorchester avenue.* — Fort Point channel to Southampton street. Plan for proposed widening.
- Dorchester street.* — Dorchester avenue to Eighth street. Proposed widening.
- Dorr street.* — From Dorchester avenue, easterly. Plan and profile showing the laying out and established grade.
- Farnsworth street.* — From Congress street, northeasterly. Plan and profile showing the laying out and established grade.
- I street.* — Between Summer street and East First street. Plan of proposed extension.
- Louis street.* — Between Gold street and West Fifth street. Plan and profile showing the laying out and established grade.
- Pittsburg street.* — Ballister street. Plan of lot used by the Fire Department, showing levels.
- Thomas Park.* — Plan of revised grade.
- Tuckerman street.* — Between Dorchester street and Middle street. Plan and profile showing the laying out and established grade.
- Tudor street.* — Between Dorchester avenue and C street. Plan and profile showing laying out and established grade.

EAST BOSTON.

(Including Breed's Island.)

- Belmont place.* — Between Everett street and Maverick street. Plan showing proposed widening and extension.
- Bennington street.* — From Prescott street to the boundary line between Boston and Revere. Plan for construction assessment.
- Bremen street.* — Northwest side, between Maverick street and Porter street. Plan and profile showing edgestone and proposed grade.
- Gove street.* — Between Bremen street and Havre street. Profile showing edgestone and proposed grade.
- Harmony street.* — Between Auburn street and Bennington street. Plan and profile to fix grade of Horace street.
- Horace street.* — From Byron street to Wordsworth street. Plan and profile showing laying out and established grade.
- Horace street.* — From Moore street to Harmony street. Plan and profile showing laying out and established grade.
- Horace street.* — Westerly corner of Byron street. Plan showing lot taken for school purposes.
- London street.* — Between Sumner street and Maverick street. Profile showing edgestone and proposed grade.
- London street.* — Between Decatur street and Bennington street. Profile showing edgestone and proposed grade.
- Maverick street.* — Between Cottage street and Orleans street. Edgestone and sidewalk assessment plan.
- Murray court.* — From Orleans street, southeast. Plan and profile showing laying out and established grade.
- Saratoga street.* — Northerly side, west of and near Prescott street. Plan of new engine-house lot, showing heights.
- Walley street.* — Between Ashley street and Bennington street. Plan and profile showing portion remaining after the relocation of Bennington street, with grade as established, July 3, 1888.

CHARLESTOWN.

- Adams street.* — Between Chestnut street and Common street. Plan and profile showing relocation and established grade.
- Alford street.* — From the Mystic river to the boundary line between Boston and Everett. Plan for construction assessment.
- Arlington avenue.* — Southerly corner of Beacham street. Plan showing the relation of edgestone to the tracks of the Boston Elevated Railway Company.
- Austin street.* — From Washington street to Lawrence street. Plan and profile showing relocation and established grade.
- Bunker Hill street.* — Southerly side, between Lexington street and Ferrin street. Approximate plan of Armory lot, showing heights.

- Carter street.* — From Cambridge street to Roland street. Plan and profile showing laying-out and established grade.
- Johnson avenue.* — From Main street to Lawrence street. Plan and profile showing laying-out and established grade.
- Mead street.* — From Russell street to Bunker Hill street. Plan and profile showing laying out and established grade.
- Phipps street.* — Cemetery. Plan showing lots, graves, etc.

ROXBURY.

(South of Massachusetts avenue.)

- Aberdeen street.* — Beacon street to Boston & Albany Railroad. Plan showing estates for construction assessment.
- Amory street.* — Bragdon street to Centre street. Plan and profile for relocation and established grade.
- Ashby street.* — Commonwealth avenue to Bay State road. Plan and profile for laying out and established grade.
- Ashby street.* — Commonwealth avenue to Bay State road. Plan showing estates for construction assessment.
- Bay State road.* — Granby street to Chilmark street. Plan and profile for laying out and established grade.
- Bay State road.* — Granby street to Chilmark street. Plan showing estates for construction assessment.
- Blue Hill avenue.* — Dewey street to Warren street. Plan for sidewalk assessment.
- Binney street.* — Longwood avenue to Francis street. Plan and profile for laying out and established grade.
- Brookline avenue.* — Longwood entrance to Brookline line. Plan showing estates for construction assessment.
- Buckman street.* — Lawn street to Fisher avenue. Plan and profile for laying out and established grade.
- Burton avenue.* — Copeland street to Perrin street. Plan and profile for laying out and established grade.
- Cabot street.* — At bath-house. Plan showing heights on lot and edgestone, for Public Buildings Department.
- Caldwell street.* — Parker street to Halleck street. Plan and profile for laying out and established grade.
- Cardington street.* — Cobden street to Fenner street. Plan showing estates for construction assessment.
- Carlow street.* — Albany street to Chadwick street. Plan showing estates for construction assessment.
- Chilmark street.* — Commonwealth avenue to Bay State road. Plan and profile for laying out and established grade.
- Chilmark street.* — Commonwealth avenue to Bay State road. Plan showing estates for construction assessment.
- Codman Hill street.* — Washington street to Codman park. Plan and profile for laying out and established grade.
- Commonwealth avenue.* — Northerly side, Granby street to Sherborn street. Plan and profile for proposed grade.
- Coventry street.* — Tremont street to Columbus avenue. Plan and profile for laying out and established grade addition.

- Darling street.*—Calumet street to Hillside street. Plan and profile for laying out and established grade.
- Darling street.*—Calumet street to Hillside street. Plan showing estates for construction assessment.
- Darling street.*—Hillside street to Parker Hill avenue. Plan and profile for laying out and established grade.
- Dennison street.*—From Walnut avenue, westerly. Plan and profile for laying out and established grade.
- Devon street.*—Warren street to Blue Hill avenue. Plan for sidewalk assessment.
- Dudley street.*—Guild row to Kenilworth street. Plan and profile for edgestone.
- Dunford street.*—Cobden street to Fenner street. Plan showing estates for construction assessment.
- Ellingwood street.*—From Lawn street. Plan and profile for laying out and established grade, addition.
- Ellis street.*—Thornton street to Washington street. Plan and profile for laying out and established grade.
- Estes street.*—Ellingwood street to Fisher avenue. Plan and profile for laying out and established grade.
- Fountain place.*—Fountain street to Warren street. Plan and profile for approximate grade.
- Heath street.*—Huntington avenue to South Huntington avenue. Plan and profile for relocation and established grade.
- Heath street.*—School-house lot.
- Hillside street.*—Plan for sidewalk assessment.
- Hutchins street.*—Elm Hill avenue to Humboldt avenue. Plan showing estates for construction assessments.
- Iroquois street.*—Wait street to Darling street. Plan and profile for laying out and established grade.
- Kenwood road.*—School-house lot.
- Leon street.*—Ruggles street to Greenleaf street. Plan and profile of edgestone for revised grade.
- Marcella street.*—Thornton street to Vale street. Plan and profile of edgestone for proposed grade.
- Medfield street.*—Audubon road to St. Mary's street. Plan and profile for laying out and established grade.
- Moreland street.*—Dennis street to Brook avenue. Plan and profile for laying out and established grade.
- Newbury street.*—Massachusetts avenue to Charles Gate east. Plan for sidewalk assessment.
- Penryth street.*—Columbus avenue to Centre street. Plan and profile for laying out and established grade.
- Perrin street.*—Moreland street to Waverley street. Plan and profile of edgestone for proposed grade.
- Pontiac street.*—Hillside street to Tremont street. Plan showing estates for construction assessment.
- Public alley No. 901.*—Hemenway street to Hemenway street. Plan showing estates for construction assessment.
- Public alley No. 905.*—Massachusetts avenue to Marlboro' street. Plan showing estates for construction assessment.

- Rand street.* — Julian street to Brookford street. Plan for sidewalk assessment.
- Ritchie street.* — Centre street to Columbus avenue. Plan and profile for relocation and established grade.
- Ritchie street.* — Marcella street to Columbus avenue. Plan and profile for relocation and established grade.
- Rockford street.* — Dudley street to Clifton street. Plan showing estates for construction assessment.
- Roosevelt street.* — Northampton street to Camden street. Plan and profile for laying out and established grade.
- Roseland street.* — Beacon street to Medfield street. Plan and profile for laying out and established grade.
- Roxbury street.* — Eliot square to Gardner street. Plan and profile for proposed grade.
- Roxbury street.* — At Court House. Plans showing levels on lot, for Public Buildings Department.
- Ruthven street.* — Elm Hill avenue to Humboldt avenue. Plan for sidewalk assessment.
- Sachem street.* — Hillside street to Parker Hill avenue. Plan and profile for laying out and established grade.
- Shawmut avenue.* — Roxbury street to Washington street. Plan and profile for laying out and established grade.
- Shawmut avenue.* — Camden street to Lenox street. Plan and profile of edgestone for proposed grade.
- Shepherd avenue.* — Off Huntington avenue. Plan and profile for laying out and established grade.
- Stanton place.* — Off Walnut avenue. Plan and profile for approximate grade.
- Southampton street.* — Albany street to Dorchester avenue. Plan showing estates for construction assessment.
- Sunderland street.* — Warren street to Blue Hill avenue. Plan for sidewalk assessment.
- Tolman place.* — Off Warren street. Plan and profile for approximate grade.
- Wait street.* — Hillside street to Parker Hill avenue. Plan and profile for laying out and established grade.
- Washington street.* — Northerly side, Dudley street to Bartlett street. Plan and profile of edgestone for proposed grade.
- Washington street.* — At Codman Hill street. Plan and profile of edgestone.
- Wayne street.* — Blue Hill avenue to Maple street. Plan for sidewalk assessment.
- Willis street.* — From Parker street, easterly. Plan and profile for laying out and established grade.
- Worthington street.* — Longwood avenue to Fenway. Plan showing estates for construction assessment.

DORCHESTER.

- Ashmont street.* — Burt street to Washington street. Plan for sidewalk assessment.
- Alexander street.* — From Oleander street, west. Plan for construction assessment.
- Barry street.* — Quincy street to Richfield street. Plan for construction assessment.
- Bowdoin street.* — At southeast corner of Westville street. Plan for relocation.
- Columbia road.* — Near Greenhalge street. Plan for school lot.
- Columbia road.* — From Hamilton street to Richfield street.
- Conrad street.* — From Sumner street, west. Plan for construction assessment.
- Denny street.* — From Springdale street, south. Plan for construction assessment.
- Dorchester avenue.* — From Romsey street to Savin Hill avenue. Plan for relocation.
- Draper street.* — From Bowdoin street to Robinson street. Plan for construction assessment.
- Edison green.* — Dorchester avenue to Pond street. Plan for construction assessment.
- Esmond street.* — From Blue Hill avenue to Harvard street. Plan for construction assessment.
- Fairfax street.* — From Beaumont street to Carruth street. Plan and profile for laying out and established grade.
- Freeport street.* — Opposite Park street. Plan of lot owned by City.
- Florida street.* — From King street to Templeton street. Plan for construction assessment.
- Florida street.* — Extension to Ashmont street. Addition to plan for laying out and established grade.
- Fowler street.* — From Glenway street to Greenwood street. Plan for construction assessment.
- Gibson street.* — Adams street to Dorchester avenue. Plan for construction assessment.
- Grampian Way.* — At Savin Hill avenue. Plan for relocation.
- Harvard street.* — From Blue Hill avenue to Glenway street. Plan for sidewalk assessment.
- Haven avenue.* — From Blue Hill avenue to Oakland street. Plan and profile for laying out and established grade.
- Hinckley street.* — From Bakersfield street to Pleasant street. Additions to plan and profile for laying out and established grade.
- Lawrence avenue.* — Extension from Columbia road to Magnolia street. Plan and profile for laying out and established grade.
- Mattapan street.* — From Blue Hill avenue to Walk Hill street. Plan and profile for laying out and established grade.
- Millet street.* — From Southern avenue to Talbot avenue. Plan and profile for laying out and established grade.

- Millet street.* — From Park street to Talbot avenue. Plan for sidewalk assessment.
- Millet street.* — From Park street to Wheatland avenue. Plan for sidewalk assessment.
- Montague street.* — From Ashmont street to Roslin street. Plan for construction assessment.
- Morrill street.* — From Bakersfield street to Pleasant street. Additions to plan and profile for laying out and established grade.
- Neponset avenue.* — From Adams street to Minot street. Plan for sidewalk assessment.
- Normandy street.* — From Grove street to Lawrence avenue. Plan for construction assessment.
- Nottingham street.* — From Bowdoin avenue to Bullard street. Plan for construction assessment.
- Phipps avenue.* — From Blue Hill avenue to Mascoma street. Plan and profile for laying out and established grade.
- Public alley No. 2301.* — From Cottage street to Burgess street. Plan and profile for laying out.
- Richmond street.* — From Adams street to Dorchester avenue. Plan for sidewalk assessment.
- Rosemont street.* — From Adams street to Train street. Plan and profile for laying out and established grade.
- Rosemont street.* — From Rosemont street, south. Plan and profile for laying out and established grade.
- Rozella street.* — From Adams street to Muzzey street. Plan for construction assessment.
- Sargent street.* — Extension from Hartford street to Magnolia street. Plan and profile for laying out and established grade.
- Savin Hill avenue.* — From Denny street, east. Plan for relocation.
- Savin Hill avenue.* — From Denny street to the railroad. Plan for sidewalk assessment.
- Seaborn street.* — From Centre street to Kenwood street. Plan for construction assessment.
- Shepton street.* — From Dorchester avenue to Florida street. Plan for construction assessment.
- Wainwright street.* — From Centre street to Welles avenue. Plan for construction assessment.
- Waldeck street.* — From Melville avenue to Tonawanda street. Plan for construction assessment.
- Waldorf street.* — From Ashmont street to Mellen street. Plan and profile for laying out and established grade.
- Warner street.* — From Harvard street to Park street. Plan for construction assessment.
- Washington street.* — From Euclid street to Norfolk street. Plan and profile for relocation and established grade.
- Wayland street.* — From Dacia street to Howard avenue. Plan and profile for laying out and established grade.
- Wendover street.* — From Dudley street to Iona street. Additions to plan and profile for laying out and established grade.

- Westville street.* — Near Bowdoin square. Plan for school lot.
Westville street. — From Bowdoin street to Draper street. Plan for sidewalk assessment.
Whitfield street. — From Park street to Wheatland avenue. Plan for sidewalk assessment.
Templeton street. — From Adams street to Dorchester avenue. Plan for construction assessment.
Thane street. — From Athelwold street to Harvard street. Plan for construction assessment.

WEST ROXBURY.

- Aldrich street.* — From Beech street to Brandon street. Plan and profile for laying out and established grade.
Beech street. — From Westbourne street, northeasterly. Profile for catch-basin locations.
Belgrade avenue. — From Anawan avenue to Dudley avenue. Plan and profile for relocation and established grade.
Boylston street. — From Washington street to Centre street. Plan for edgestone assessment.
Brandon street. — From Dudley avenue to Corinth street. Plan and profile for relocation and established grade.
Brooks street. — From Florence street to Sycamore street. Plan and profile for laying out and established grade.
Burr street. — From Boylston street to Spring Park avenue. Plan for edgestone assessment.
Centre street. — Northwestern side, at May street. Plan and profile for relocation.
Centre street. — At Eliot street. Plan for sidewalk assessment.
Chapin avenue. — From LaGrange street to Mt. Vernon street. Plan and profile for laying out and established grade.
Eliot street. — At Centre street. Plan for sidewalk assessment.
Gardner street. — From Baker street to Metropolitan park. Plan and profile for laying out and established grade.
Glenvale terrace. — From Lamartine street to Chestnut avenue. Plan and profile for laying out, extension and established grade.
Hathaway street. — From Centre street to Custer street. Plan showing estates and buildings.
Hemlock street. — From Washington street to Bellevue avenue. Plan and profile for laying out and established grade.
Louder's lane. — At Centre street. Plan and profile for laying out and established grade.
Olmstead street. — From Forest Hills street to Peter Parley road. Plan and profile for laying out and established grade.
Rockview street. — Extension, from Green street to Alveston street. Plan showing estates and buildings.
Rosemary street. — From South street to the railroad. Plan and profile for laying out and established grade.
School street. — Between Washington street and Amory street. Plan of School-house site on South side.

- South Huntington avenue.*— From Perkins street to Centre street.
Plan and profile for laying out and established grade.
- Stratford street.*— From Anawan avenue to Saville street. Plan
and profile for laying out, extension and established grade.
- Tower street.*— From Hyde Park avenue to Forest Hills street.
Plan and profile for laying out and established grade.
- Walter street.*— From Centre street to South street. Plan and
profile for relocation and established grade.
- Washington street.*— From School street to Green street. Plan
for edgestone assessment.

BRIGHTON.

- Bennett street.*— From Market street to Parsons street. Plan
for edgestone assessment.
- Faneuil street.*— From Market street to Oakland street. Plan
and profile for relocation and established grade.
- Gardner street.*— From Malvern street to Harvard avenue. Plan
for edgestone assessment.
- Murdock street.*— From Sparhawk street to Cambridge street.
Plan for edgestone assessment.
- Oak square avenue.*— From Washington street to Faneuil street.
Plan and profile for laying out and established grade.
- Royal street.*— From Cambridge street to Hooker street. Plan
showing relocation.
- Sparhawk street.*— From Cambridge street to Murdock street.
Plan for edgestone assessment.
- Victoria street.*— From Brighton avenue to Commonwealth
avenue. Plan and profile for laying out and established
grade.
- Webster avenue.*— From Brighton avenue to Webster street.
Plan and profile for relocation and established grade.

APPENDIX E.

LIST OF STREETS WHERE FRONTAGES HAVE BEEN OBTAINED
FOR THE SEWER DIVISION OF THE STREET DEPARTMENT
FOR SEWER ASSESSMENTS, FROM FEBRUARY 1, 1901, TO
FEBRUARY 1, 1902.

BOSTON PROPER.

(North of Massachusetts avenue.)

- Berkeley street.* — Boylston street to Columbus avenue.
Beverly street. — Causeway street to Washington street north.
Central street. — And India street.
Chandler street. — From Cazenove street to Berkeley street.
Green street. — Norman street to Staniford street.
Haverhill street. — Traverse street to Causeway street.
Head place. — From Boylston street.
Irving street. — Revere street to Phillips street.
Kneeland street. — And Utica place.
Milk street. — Arch street to Washington street.
Milk street. — Atlantic avenue to India street.
Newland street. — Between West Canton street and West Dedham street.
Oak street. — Between Hudson street and Albany street.
Portland street. — Traverse street to Causeway street.
Providence street. — Berkeley street to Clarendon street.
Public alley No. 414. — Hereford street to Massachusetts avenue.
Public alley No. 415. — Gloucester street to Hereford street.
Public alley No. 416. — Fairfield street to Gloucester street.
Public alley No. 418. — Dartmouth street to Exeter street.
Public alley No. 422. — Arlington street to Berkeley street.
Public alley No. 423. — Berkeley street to Clarendon street.
Public alley No. 424. — Clarendon street to Dartmouth street.
Public alley No. 426. — Exeter street to Fairfield street.
Public alley No. 427. — Fairfield street to Gloucester street.
Public alley No. 428. — Gloucester street to Hereford street.
Public alley No. 429. — Hereford street to Massachusetts avenue.
Public alley No. 430. — Hereford street to Massachusetts avenue.
Public alley No. 432. — Fairfield street to Gloucester street.
Public alley No. 433. — Exeter street to Fairfield street.
Public alley No. 434. — Dartmouth street to Exeter street.

- Public alley No. 435.* — Clarendon street to Dartmouth street.
Public alley No. 436. — Berkeley street to Clarendon street.
Public alley No. 438. — Arlington street to Berkeley street.
Public alley No. 439. — Clarendon street to Dartmouth street.
Public alley No. 440. — Dartmouth street to Exeter street.
Public alley No. 441. — Exeter street to Fairfield street.
Public alley No. 442. — Fairfield street to Gloucester street.
Public alley No. 443. — Gloucester street to Hereford street.
Public alley No. 444. — Hereford street to Massachusetts
avenue.
Public alley No. 706. — Newland street, northwesterly.
Sears street. — India street to Central Wharf.
Storer street. — India street to Atlantic avenue.
Stanhope street. — Berkeley street to Trinity place.
Trinity place. — Stanhope street to Stuart street.

SOUTH BOSTON.

- Bell court.* — Between Old Colony avenue and D street.
D street. — Between West Second street and West Broadway.
Dixfield street. — Between Old Harbor street and Covington street.
East First street. — Between L street and M street.
Leeds street. — Between Dorchester avenue and Woodward street.
Leeds street. — Between Dorchester avenue and Woodward street.
Silver street. — Between B street and D street.
Tudor street. — Between C street and D street.

EAST BOSTON.

- Marginal street.* — Northerly side, between Ruth street and No. 148.

CHARLESTOWN.

- Arlington avenue.* — Between Alford street and Dorrance street.
Beacham street. — Between Main street and Arlington avenue.
Cambridge street. — Between Parker street and Rutherford
avenue.
Frothingham avenue. — Between Main street and Rutherford
avenue.
Green street. — From Main street, northeast about 300 feet.
Mead street. — Between Bunker Hill street and Russell street.
Prescott street. — Between Main street and Washington street.

ROXBURY.

(South of Massachusetts avenue.)

- Brookline avenue.* — Longwood entrance to Riverway.
Carlów street. — Albany street to Chadwick street.
Clifton street. — Shirley street to Hudson street.
Fort avenue. — Highland street to Highland Park street.
Gainsboro' street. — St. Stephen street to Hemenway street.
Gay Head street. — Minden street to Round Hill street.

George street. — Shirley street to Clarence street.
Hayden street. — Fisher avenue to Lawn street.
Humboldt avenue. — Hollander street to Waumbeck street.
Humboldt avenue. — Ruthven street to Homestead street.
Massachusetts avenue. — Near Lansdowne street.
Public alley No. 905. — Commonwealth avenue to Marlboro' street.
Parker Hill avenue. — Parker street to Calumet street.
Round Hill street. — Gay Head street to Walden street.
Ruthven street. — Walnut avenue to Humboldt avenue.
Walnut avenue. — Crawford street to Walnut park.

DORCHESTER.

Adams street. — Milton street to Shawmut Branch Railroad.
Adams street. — Milton street to Gallatin street.
Annabel street. — Columbia road to Sumner street.
Ballou avenue. — Mascot street to Willowwood street.
Bird street. — Columbia road to Virginia street.
Dix street. — Adams street to Dorchester avenue.
Fairfax street. — Beaumont street to Carruth street.
Gibson street. — Adams street to Dorchester avenue.
Hancock street. — Columbia road to Freeport street.
Huntoon street. — Adams street to Shawmut Branch Railroad.
Leonard street. — Adams street to Duncan street.
Maxwell street. — Capen street to Milton avenue.
Millet street. — Athelwold street to Park street.
Moseley avenue. — Columbia road to Crescent avenue.
Neponset avenue. — Adams street to Minot street.
Norfolk street. — Blue Hill avenue to Capen street.
Normandy street. — From Lawrence avenue, west.
Rand street. — Brookford street to Rand place.
Rowena street. — Bushnell street to Dorchester avenue.
Savin Hill avenue. — Railroad bridge to Wesley avenue.
Savin Hill avenue. — Railroad bridge to Grampian way.
Selden street. — Capen street to Nelson street.
Spencer street. — Athelwold street to Harvard street.
Templeton street. — Adams street to Dorchester avenue.
Thane street. — Athelwold street to Harvard street.
Wesley avenue. — From Savin Hill avenue, north.

WEST ROXBURY.

Amherst street. — Houston street to Dudley avenue.
Clement avenue. — Stratford street to Park street.
Colberg avenue. — Rexhame street to Montello street.
Corey street. — Centre street to Park street.
Corey street. — Henshaw street to Montview street.
Cornell street. — Newberg street to Hill street.
Cross street. — Hillside avenue to Augustus avenue.
Dudley avenue. — Washington street to Birch street.

Forest Hills street. — Washington street to Glen road.
Gardner street. — Baker street to Metropolitan sewer.
Hemlock street. — Bellevue street to Washington street.
Hillside avenue. — Poplar street to Cross street.
Knoll street. — Walter street to Selwyn street.
Park street. — Centre street to Anawan avenue.
Robinwood avenue. — Centre street to Enfield street.
Ruskin street. — From Corey street, easterly.
Selwyn street. — Mozart street to Farquhar street.
Stratford street. — Clement avenue to the railroad.
Vermont street. — Alder street to Libby street.
Westbourne street. — Cornell street to Beech street.

BRIGHTON.

Allston street. — Warren street to Summit avenue.
Allston terrace. — From Hobart street, northerly.
Brooks street. — North Beacon street to Holton street.
Linden street. — At Commonwealth avenue and Reedsdale street.
Madison avenue. — Washington street to Union street.
Summit avenue. — Allston street to Corey road.

APPENDIX F.

ENGINEERING DEPARTMENT PROPERTY SCHEDULE, MAIN OFFICE.

1 horse.	12,680 plans engineering works, loose.
2 carriages.	14 volumes plans engineering works, bound.
1 sleigh.	Photographs of engineering works.
2 harnesses.	1 microscope.
3 robes.	1 mecurial barometer.
Instruments for drawing.	1 aneroid barometer.
Instruments for surveying as fol- lows:	1 holosteric barometer.
2 Temple transits.	1 set hydrometers.
7 Buff & Berger transits.	1 hygrometer.
1 Berger & Son transit.	1 pair field glasses.
8 Gurley transits.	3 typewriters.
1 Keuffie & Esser level.	2 dynamometers.
2 Temple levels.	1 pantagraph.
4 Buff & Berger levels.	3 calculating machines.
7 Gurley levels.	1 volt meter.
13 Boston rods.	1 comptometer.
4 New York rods.	2 thermophones.
10 Troy rods.	2 cameras.
4 Philadelphia rods.	1 planimeter.
Apparatus for blue printing.	1 Bourdon pressure gauge.
Cases for plans and books.	
Reference library, 1,319 volumes.	

SURVEYING DIVISION.

2 Temple transits.	7 Buff & Berger levels.
1 Moody transit.	1 Moody level.
4 Buff & Berger transits.	18 Boston rods.
2 Berger & Sons transits.	7 pipe rods.
1 Stackpole transit.	31,529 plans.
1 Troughton & Sims transit.	4,015 lithographed maps.

APPENDIX G.

Elevations referred to Boston City base. (The City base is 0.64 feet below mean low tide.)

Feet.

- 0.00 City base.
- 15.66 Highest tide, April 16, 1851.
- 14.75 Elevation of tide, Nov. 27, 1898.
- 14.23 " " " Nov. 25, 1901.
- 14.15 " " " Jan. 23, 1898.
- 13.95 " " " May 20, 1901.
- 13.70 " " " Nov. 8, 1900,
- 15.33 Coping dry dock, Charlestown Navy Yard.
- 12.24 Greatest elevation of high tide, per United States
Tide Tables, December 16, 1902 ($11.6 + 0.64$) =
12.24.
- 8.24 Least elevation of high tide, per United States
Tide Tables, March 3, 1902 ($7.6 + 0.64$) = 8.24.
- 2.54 Greatest elevation of low tide, per United States
Tide Tables, October 10, 1902 ($1.9 + 0.64$) =
2.54.
- 1.46 Least elevation of low tide, per United States Tide
Tables, December 16, 1902 ($-2.1 + 0.64$) =
—1.46.
- 0.64 Mean low tide.
- 5.00 Piles cut off for building.
- 9.91 Water works base (approximate tide-marsh level).
- 4.98 Cambridge City base.
- 0.38 South Boston flats base.

NOTE. — Cambridge City base is 4.98 feet below Boston City base.

APPENDIX H.

ENGINEERING DEPARTMENT ANNUAL REPORTS, 1867-1901.

No. of Reports.	For the Year.	Year Published and No. City Document.	No. of Reports.	For the Year.	Year Published and No. City Document.
First	*1867	1868 — 22	Twenty-first	1887	1888 — 39
Second and Third	1868-69	1870 — 14	Special report	1888	1888 — 117
Fourth	1870	1871 — 15	Twenty-second	1888	1889 — 38
Fifth and Sixth	*1871-72	1873 — 23	Twenty-third	1889	1890 — 39
Seventh	*1873	1874 — 20	Twenty-fourth	*1890	Executive Department Report Document 1, Part I, 1891.
Eighth	1874	1875 — 19			
Ninth	1875	1876 — 24			
Tenth	*1876	1877 — 15	Twenty-fifth	1891	1892 — 11
Eleventh	*1877	1878 — 20	Twenty-sixth	1892	1893 — 10
Twelfth	*1878	1879 — 22	Twenty-seventh	1893	1894 — 10
Thirteenth	*1879	1880 — 33	Twenty-eighth	1894	1895 — 10
Fourteenth	*1880	1881 — 25	Twenty-ninth	1895	1896 — 10
Fifteenth	1881	1882 — 52	Thirtieth	1896	1897 — 10
Sixteenth	1882	1883 — 53	Thirty-first	1897	1898 — 12
Seventeenth	*1883	1884 — 55	Thirty-second	1898	1899 — 12
Eighteenth	*1884	1885 — 54	Thirty-third	1899	1900 — 14
Nineteenth	*1885	1886 — 41	Thirty-fourth	1900	1901 — 14
Twentieth	*1886	1887 — 38	Thirty-fifth	1901	1902 — 15

* Out of print.

APPENDIX I.

(REVISED ORDINANCES, 1898, CHAPTER 16.) ENGINEERING
DEPARTMENT.

SECTION 1. The Engineering Department shall be under the charge of the City Engineer, who shall be consulted on all matters relating to public improvements of every kind in respect to which the advice of a civil engineer or architect would be of service; shall, unless otherwise specifically provided, take charge of the construction of all public works of the city which properly come under the direction of a civil engineer; shall make such surveys, plans, estimates, statements, and descriptions, and take such levels and prepare such specifications and contracts as the mayor, the board of aldermen, the common council, any committee of the city council or of either branch thereof, the board of street commissioners, or any officer in charge of a department, may need in the discharge of its duties; shall, upon being notified by the superintendent of streets, supervise all repairs on the bridges of the city used as highways which affect the safety of the structures, and shall, when required by the mayor or any officer in charge of a department, measure the work done by contract for the city, and certify to the results of such measurement. Said engineer shall have the custody of all surveys and plans relating to the laying out, locating anew, altering, widening and grading of streets; and his office shall be deemed to be the office of the surveyor of highways.

SECT. 2. Said engineer shall, in his annual report, include a report upon the safety and completeness of all ponds, basins and reservoirs under the charge of the water department, and of all bridges within the city limits used as highways.

(Stat. 1870, Chap. 337 — Stat. 1895, Chap. 449, par. 21.)

APPENDIX J.

A list of maps of Boston, published between 1614 and 1822, copies of which are in possession of the City of Boston, or other collectors of the same, as indicated in the following enumeration :

1614-1615

SMITH, JOHAN.

Nieu Engeland in twee Scheeptogten door Kapitien Johan Smith inde jaren 1614 en 1615. Betsvend. Nouvelle Angleterre exactement décrite par Capitaine Jean Smith dans ses deux voyages faits en 1614 et 1615. Perfectionnée par diverses observations postérieures nouvellement rendue publique par Pierre Vander Aa à Leide avec privilege. Size, $6 \times 9\frac{1}{2}$ inches. *Milliaria Germania Communia 15 in uno Gradu.*

Massachusetts Historical Society.

1622

Boston in 1622. Size, $3\frac{1}{2} \times 5\frac{1}{2}$ inches. Scale, none. (In Snow (Caleb H.). *A history of Boston*, 1825.)

This map was found in the copy belonging to New England Historic Genealogical Society, and appears to have been added. There is another, with Washington street and Long wharf, in red, loosely inserted in the book.

1630-1650

APPLETON, W.

A rough and inaccurate sketch of the streets of Boston as they are supposed to have been first laid out, and the owners of the soil from 1630 to 1650, or thereabouts. W. Appleton, Mar., 1866. Size, 12×17 inches. Scale, none.

NOTE. — See book of Possessions in the office of the City Clerk of Boston.

Massachusetts Historical Society.

1633

WINTHROP, JOHN.

[Map of Boston and Massachusetts Bay.] [Boston, ? 1633.] Size, $14\frac{1}{2} \times 20\frac{1}{2}$ inches. Scale (computed), 2.8 Italian miles to 1 inch.

A photographic copy of a map in the Sloane collection in the British Museum.

Public Library. No. 1 in * Map 32.1

Same.

Harvard College Library. $\frac{3350}{1}$

“ [somewhat reduced]. Size, $13 \times 17\frac{1}{2}$ inches. Scale (computed), $3 +$ Italian miles to 1 inch.

Bostonian Society.

1634

WOOD, WILLIAM.

The south part of New England as it is planted this yeare, 1634.
London, 1634. Size, 7×12 inches. Scale (computed), 18 miles to 1 inch.

The above very ancient map is an exact copy of the first that was made after Massachusetts was settled. It was taken from a rare book by William Wood, entitled "New England's Prospect." Engraved and printed in London. Reproduced in 1846 by William B. Fowle.

Engineering Department (Surveying Division), Vol. 20, p. 48.

Same. Vol. 59, p. 6. Misc. Vols. Size, $7 \times 10\frac{3}{8}$ inches.

Massachusetts State Archives.

" Size, $6\frac{1}{2} \times 10\frac{3}{8}$ inches.

" " $6\frac{1}{2} \times 10\frac{1}{4}$ "

" " $5\frac{1}{2} \times 8\frac{3}{4}$ "

The $5\frac{1}{2} \times 8\frac{3}{4}$ map was probably taken from A. O. Crane's History, as the map was presented by him.

Massachusetts Historical Society.

Same. Size, $7 \times 12\frac{1}{4}$ inches.

Harvard College Library $3\frac{3}{4} \times 5\frac{1}{4}$.

1645

LAMB, GEORGE.

[Old Boston, compiled from the Book of Possessions by George Lamb.] Original manuscript. [Boston, 1880.] Size, $63\frac{3}{8} \times 112\frac{3}{8}$ inches. Scale, none. Rolled.

Boston Public Library. *Map 1015.4.

Old Boston. Compiled from the Book of Possessions by George Lamb [Boston, 1880.] Published by the Trustees of the Boston Public Library, Boston. Heliotype Printing Company.

A reproduction of the original, in 10 sheets including title page. Size of each sheet $21\frac{1}{4} \times 30\frac{3}{8}$ inches. Scale, 100 feet to an inch.

Vol. E., pp. 3 to 12 inclusive.

Engineering Department (Surveying Division).

Same.

Harbor and Land Commissioners. D, 1103.

"

Massachusetts State Library.

"

Boston Public Library. (Two copies.) *Map 39.1.

"

Boston Public Library. Rolled. *119.

"

In portfolio. *Massachusetts Historical Society.*

"

Boston Athenæum. Seven day table, Drawer 8.

"

Harvard College Library. M. A. $3\frac{3}{8} \times 5\frac{1}{4}$.

"

Essex Institute, Salem, Mass.

1677

HUBBARD, WILLIAM.

A map of New England, being the first that ever was here cut. [Boston, William Hubbard, 1677.] Printed by John Foster (Pioneer printer in New England). Republished in London. Reproduced by William B. Fowle, 1846. Size, $11\frac{1}{4} \times 14\frac{1}{2}$ inches. Scale (computed), $13\frac{1}{2}$ miles to an inch.

A wine hills map. In "A narrative of the troubles with the Indians in New England" By William Hubbard. Boston, 1677.

Vol. 20, p. 48. *Engineering Department (Surveying Division).*

Same. Size, $11\frac{1}{4} \times 14\frac{3}{8}$ inches. Scale (computed), 13.9 miles to an inch.

Vol. 59, p. 6. Misc. Vols. *Massachusetts Archives.*

" Scale (computed), 13.6 miles to an inch.

In portfolio. *Massachusetts Historical Society.*

Same. Size, $4\frac{1}{2} \times 5\frac{7}{8}$ inches.

A photographic reproduction of a map measuring 29×33 Cen. By André Thury, Libraire-Commissionaire, Genève.

In portfolio. *Massachusetts Historical Society.*

Same. Size, $11\frac{1}{4} \times 14\frac{3}{4}$ inches. Scale (computed), $13\frac{1}{2}$ miles to an inch.
3.2 3.2 Harvard College Library.

" Size, $4\frac{1}{2} \times 5\frac{7}{8}$ inches. Scale, none. In portfolio.

" Size, $11\frac{1}{4} \times 15$ inches. Scale (computed), 13.9 miles to an inch.

" [White Hills map.] Size, $11\frac{1}{4} \times 15$ inches. Scale (computed), 13.9 miles to an inch.

In "Ten fac-simile reproductions relating to Old Boston and Neighborhood." By Dr. Samuel A. Green, Boston, 1901.

Massachusetts State Library.

Same. Reproduced by Heliotype Printing Co., Boston, 1888.

A fac-simile of Hubbard's map of New England. From a copy in possession of Dr. Samuel A. Green, Boston. Dr. Green also has in his possession two proof impressions, by Forbes Lithographic Co., Boston, which differ somewhat from the other maps; also a photo-lithograph impression.

In portfolio. *Massachusetts Historical Society.*

Same. Reproductions by Dr. Green in his "Ten fac-simile reproductions," etc. \$964 G. 82.

Boston Athenæum.

1687-1688

WELLS, PHILLIP.

[Chart of Boston Harbor.] [Boston, 1687-1688?]

Size, $21\frac{1}{2} \times 16\frac{3}{4}$ inches. Scale (computed), 1 mile to an inch.

Fac-simile in colors 1898, from Boston Public Library. Two copies; one mounted.

This is the earliest known chart of Boston Harbor, and bears the legend: "This Harbour of Boston with soundings without & comings in, are laid down as taken by Captain John Fayrwether, Capt^e. Thomas Smith, Capt^e. Timothy Arncliffe, Capt^e. Joseph Eldridge, masters, and Phillip Wells Employed for the same by his Excellency Sr. Edmund Andros Knight, Captain General & Governour in chief of his Majesties Territory & Dominion of New England in America.

U. S. Eng. R. & H. office.

Same. Issued in Public Library Bulletin, Vol. XII.

Massachusetts State Library.

" Original manuscript, ** Map 16.5.

" Fac-simile. [Boston, 1893.] (2) pp. of explanatory text.
* 16.3=* Map 16.4.

Cut from Bulletin of the Boston Public Library, new series, Vol. 12 [** 62002, 33.12.]

Boston Public Library.

Same. Fac-simile from Boston Public Library, 1893.

3.2 3.2 Harvard College Library.

" Fac-simile from Boston Public Library.

Dr. Jas. B. Ayer, Boston.

1692

POUND, THO.

A new mapp of New England from cape Codd to cape Sables, describing all the sands, rocks and difficultys together with a sand draft of the Mattathussetts bay. Exactly surveyed by the author, Tho. Pound. J. Harris, sculp. col. 27×34 [London], P. Lea, [etc., 1692?]

NOTE. — This map is dedicated to Charles, earl of Macclesfield, who was appointed privy councillor and lord president of the marches of Wales, in feb. 1688-9. See, also, a short account of Pound in Charnock's Biographianavalis, v. 2, p. 491 & "Notes and queries," 2d series, v. 12, p. 310, where his name is spelt Pond. Besides the seacoast of New England, this map gives "Mattathussetts bay," with soundings and towns thereon, including Boston and suburbs.

Library of Congress, Washington, D. C.

- Same. Lithographic fac-simile of the tracing made from the original
by Alfred Greenough and presented to the Boston Public
Library. Size, $23\frac{3}{4} \times 32$ inches. No. 42.
- “ Reduced reproduction. Size, 11×15 inches. No. 43.
Bostonian Society.
- “ Photographic reproduction (reduced). Size, $10\frac{5}{8} \times 14\frac{5}{8}$ inches.
7 day table, Drawer 8.
- “ Photographic reproduction (reduced). Size, $5 \times 6\frac{1}{4}$ inches,
7 day table, Drawer 8.
Boston Athenæum.
- “ Lithographic fac-simile of the tracing made from the original
by Alfred Greenough and presented to the Boston Public
Library. Size, $23 \times 31\frac{1}{2}$ inches. $\frac{3.2}{5} \frac{5.0}{3}$
- “ Photolithographic (reduced). Size, $10\frac{5}{8} \times 14\frac{5}{8}$ inches. $\frac{3.8}{5} \frac{5.3}{3}$
“ “ “ 5×7 “ $\frac{2.8}{3} \frac{5.3}{3}$
Harvard College Library.
- “ Reduced. Size, $10\frac{3}{4} \times 14\frac{3}{4}$ inches.
- “ “ (without title.)
Essex Institute, Salem, Mass.

1694

SOUTHAKES, CAPT. CYPRIAN.

A dryght of Boston-Harbor. [Boston?] 1694. Size, $13\frac{7}{8} \times 19\frac{1}{4}$ inches. Scale, about 1 mile to 1 inch. In colors.

No. 5 in * Map 32.1.

Made by Augustine Fitzhugh, from a map in the British Museum.

Boston Public Library.

Same.

No. 44. *Bostonian Society.*

16—

MORDEN, ROBERT.

A new map of the English Empire in America. London. [16-?.]
Size, 19½×23 inches. Scale (computed), 90.5 miles to 1 inch.

No. 46 in * * * Map 57.3.

Sub-maps. — 1. The harbour of Boston or Mattachusetts Bay.

2. A generall map of the coasts & isles of Europe, Africa and America.

Boston Public Library.

1700

HALLEY, CAPT. EDWARD.

A new survey of the harbour of Boston in New England, done by order of the principal officers and commissioners of his Majesties Navy and sold by George Grierson at the two bibles in Essex street, Dublin. Variation 10° , observed an^o 1700 by Capt. Edward Halley. Size, $21 \times 16\frac{1}{2}$ inches. Scale (computed), 4,071 $\frac{1}{2}$ ft. to 1 inch.

U. S. Eng. R. & H. Office.

1702

MATHER.

A correct map of New England and New York 1702. Size, $10\frac{7}{8} \times 13\frac{1}{8}$ inches. Scale (computed), 17+ English miles to an inch.

A fac-simile (photolithograph in 1880) of a map in Mather's *Magnolia*, Book 5, p. 1. See Littlefield's cat. No. 4.

Massachusetts Historical Society.

1705

ROEMER, WILLIAM WOLFGANG.

[A drawn plan of Castle island in Boston bay by Col Roemer 1705.]
4 sheets in 2. Plan of Castle William. Size, $11\frac{1}{4} \times 13\frac{1}{4}$ inches.
Scale (computed), $66\frac{2}{3}$ feet to 1 inch. Profiles of the fortifications.
Size, $10 \times 13\frac{1}{2}$ inches. Scale (computed), 39 feet to 1 inch.

A photographic copy. Title taken from the British Museum catalogue of maps,
vol. 1, p. 216 [*2,133.9.1].

No. 3 in **2,350.35=No. 8 in *Map. 32.1.

The iconographical draft of Castle island whereupon is built Her
Majties castle . . . named Castle William. Cited in the bay of
Boston . . . Made and survaied by Collonel Römer in y^e yare 1705.
Size, $37\frac{1}{4} \times 39\frac{1}{2}$ inches. Scale (computed), 76.2 feet to 1 inch. No. 6
in *Map 32.1.

A photographic copy.

Boston Public Library.

SHEAFE, JACOB.

[Plan showing wharves of Boston from Batterymarch st. to Fleet
st., showing "the circular line" Barricado, with the south, middle
and north gaps.] This draught was taken by order of the Select-
men for the town of Boston, A.D. 1708 by Jacob Sheafe. Copied
by John Leach, 1760. [This plan] copied in City Engineer's office
March, 1853, by R. K. S. Size, $28\frac{1}{2} \times 39\frac{1}{4}$ inches. Scale (computed),
66 feet to 1 inch. CC-85 (rolled plan).

Same. Size, 25×38 inches. Scale (computed), 66 feet to 1 inch.
Copied by Robert Pope. Vol. 1, p. 13.

" Size, 30×49 inches. Scale (computed), 66 feet to 1 inch.
Copied January 15, 1835 by Alex. Wadsworth, from a copy
made by Francis Jackson, January 1, 1835.

Vol. 30, p. 8.

This plan has a memorandum of the order of the General Court appointing the
selectmen of Boston a committee to have flats and circular line surveyed and staked
out and return made to Court on May following, signed by Jacob Sheafe.

Engineering Department (Surveying Division).

1710

MOLL, HERMAN.

The world described; or a new and correct sett of maps. [London.
Bowles. 1710-1715] 30 maps in IV. Elephant f^o.

No. 1 in *4460.15=*Map. 19.10.

Map No. 7, North America, contains in the corner a plan of Boston harbor.

Boston Public Library.

1711

Exact draught, An, of Boston harbour, with a survey of most of the
islands about it. 1711. [Photographic copy from an original print
in the British Museum.] Scale (computed), 72+ miles to 1 inch.
In portfolio. *Massachusetts State Library.*

Same. Size, $9\frac{1}{2} \times 12\frac{5}{8}$ inches. Scale (computed), 72 miles to an inch.
No. 10 in *map. 32.1=No. 1 in **2350.35

Boston Public Library.

" Size, $10 \times 12\frac{5}{8}$ inches. Scale, none.
In portfolio. *Massachusetts Historical Society.*

" Reproduced . . . by the Photo Electric Co. Boston. Crane
(A. O.) 1883. Size, $8\frac{7}{8} \times 11\frac{1}{4}$ inches. Scale (computed), 84
miles to 1 inch.

No. 3 in *map. 30.8.

Boston Public Library.

Same. Size, $8\frac{7}{8} \times 11\frac{3}{4}$ inches scale (computed), 84+ miles to 1 inch.

In portfolio. *Massachusetts Historical Society.*

The original of this map is in the British Museum, and was made by order of Admiral Sir Hovenden Walker, when the expedition under his command was in Boston Harbor.

[Boston and Eastern Massachusetts.] [? 1711 ?] Size, $9\frac{3}{8} \times 11$ inches.

Scale, none.

No. 10a in *map 32.1 = No 11 in **2350.35.

Photographic copy.

Boston Public Library.

1714

BONNER, JOHN.

[Boston wharves from Long wharf southwest by John Bonner 1714].

Size, $14\frac{1}{8} \times 18$ inches. Scale (computed) 238 feet to 1 inch.

A co-ordinate survey of the water front from Long wharf southwesterly, to beyond Windmill point; soundings are also shown across the channel. This map was copied in the City Engineer's office, Boston, 1853.

Vol. 20. p. 45. *Engineering Department (Surveying Division).*

Same. [In Massachusetts Historical Society Proceedings 1863-64. 8° Boston, 1864, p. 477.]

Library of Congress, Washington, D. C.

“ Original drawing. Size, $11\frac{1}{2} \times 17\frac{7}{8}$ inches. Scale (computed), 67.22+ rods to 1 inch.

In portfolio. *Massachusetts Historical Society.*

“ Photolithograph. Gift of Massachusetts Historical Society. Size, $11\frac{3}{8} \times 18\frac{1}{2}$ inches. Scale (computed), 238 feet to an inch.

^{33.5.3} *Harvard College Library.*

1719

SENEX, JOHN.

A new map of the English Empire in America . . . revised by Ioⁿ.

Senex. [London], 1719. Size, $19\frac{1}{4} \times 22\frac{3}{4}$ inches. Scale (computed),

90.5 miles to 1 inch. No. 42 in *map 17.4 = No. 3 in *map 117.1.

Contains sub-maps: 1. The harbour of Boston, or Mattachusetts Bay. 2. A general map of coasts & isles of Europe, Africa, and America. Apparently a reprint without essential change, of Robert Morden's map with same title [No. 46 in ***Map 57.3].

Boston Public Library.

New map. A. of New England, according to the latest observations 1720. Printed for I. Clark, R. Ford, and R. Cruttendon. Size, $8\frac{3}{4} \times 13\frac{1}{2}$ inches. A scale of miles 60 to a degree. (In Neals History of New England).

Contains sub-maps: 1. Map of the harbour of Boston, Size, $3 \times 3\frac{1}{4}$ inches; Scale (computed), 8.42 miles to an inch. 2. Map of part of the northern hemisphere; Size, $2\frac{1}{2} \times 3\frac{1}{4}$ inches; a scale of miles 60 to a degree.

No. 45. *Bostonian Society.*

Same. Size, $8\frac{1}{2} \times 13\frac{1}{2}$ inches. Scale of miles 60 to a degree (abt. 42.1 miles to an inch). Size of sub-maps: 1. $2\frac{3}{4} \times 3\frac{1}{4}$ inches. Scale (computed), 8.89 miles to an inch. Size of sub-maps: 2. $2\frac{1}{2} \times 3\frac{1}{4}$ inches. Scale of miles 60 in a degree (abt 400 miles to an inch).

^{33.5.3} *Harvard College Library.*

1721

SOUTHACK, CAPT. CYPRIAN.

A map of the coast of New England from Staten ifland to the ifland of Breton; as it was actually surveyed by Capt. Cyprian Southack. Sold by I. Mount, T. Page & W. Mount, Tower Hill, London. Size, 23×31 inches. Scale (computed), 22+ miles to 1 inch.

Contains a subplan of the town of Boston. Scale (computed), 1030 feet to an inch

In portfolio. *Massachusetts Historical Society.*

1722

BONNER, CAPT. JOHN.

The town of Boston in New England. By Capt. John Bonner. 1722. Engraven and printed by Fra: Dewing. Boston, N. E., 1722. [Certified fac-simile] by George G. Smith. Engraver. Boston. Smith. 1835. Size, $16\frac{3}{8} \times 22\frac{7}{8}$ inches. Scale (computed), 474+ feet to 1 inch. A—54.

Same. Size, $16\frac{3}{8} \times 23$ inches. Scale (computed), 474.6 feet to 1 inch. Vol. 20, p. 42.

“ Vol. 6, p. 10.

“ (in Hale's maps and street lines, etc. Reproduced by city registrar. 2 Vols in 1.)

Engineering Department (Surveying Division).

“ Lantern slide by Charles H. Swan. M. S. 201.

M. W. & S. Com. Sewerage Engineers.

“ Size, $8\frac{1}{2} \times 11\frac{3}{4}$ inches. [Reprint.] [In Gilman (Arthur). The story of Boston. 12°. N. Y., 1889, opp. p. 187.]

“ Size, $16\frac{3}{8} \times 23$ inches. [In Hales (John Groves). Maps of the street lines of Boston, made for the Selectmen in 1819 and 1820. Reproduced in fac-simile, and published by the city registrar (William H. Whitmore). 2 Vols. in 1, fol. Boston, Rockwell & Churchill, 1894.]

Library of Congress, Washington, D. C.

Same. [City registrar's reproduction.]

“ [Reproduction by George G. Smith. Boston, 1835.] Size, $16\frac{3}{8} \times 22\frac{7}{8}$ inches. Scale (computed), 477+ feet to an inch.

“ [A fac-simile of an original print in the Massachusetts Historical Society. In “Ten fac-simile reproductions relating to Old Boston and neighborhood. Boston. Dr. Samuel A. Green, 1901.] Size, $11 \times 5\frac{1}{2}$ inches. Scale (computed), 692+ feet to an inch.

Massachusetts State Library.

Same. [Reproduction by George G. Smith. Boston, 1835.] Size, $16\frac{1}{2} \times 23$ inches. Scale (computed), 477 feet to an inch.

No. 13 in * Map 32.1.

Two copies.

Same. Blue print of Bonner's original plate.

No. 12 in * Map B 2.1. *Boston Public Library.*

“ Reproduced from an original print by the Photo Electrottype Company. Boston, 1882. Size, $8\frac{1}{8} \times 12\frac{3}{8}$ inches. Scale (computed), 880 feet to an inch.

“ [Reproduction by George G. Smith. Boston, 1835.] Size, $16\frac{1}{8} \times 23$ inches. Scale (computed), 469+ feet to an inch.

To this plan have been added the alterations from 1722 to 1733, in red; from 1733 to 1743, in blue; from 1743 to 1763, in green.

Same. [One of the original edition, and supposed to be the only one in existence.]

Massachusetts Historical Society.

“ [Reproduction by George G. Smith. Boston, 1835.] Size, $16\frac{1}{2} \times 23$ inches. Scale (computed), 480 feet to 1 inch.

No. 46. *Bostonian Society.*

“ [Smith.] Size, $14\frac{3}{4} \times 22\frac{3}{4}$ inches. Scale (computed), 400 feet to 1 inch. Two copies.

< 64 B 119 P 4 and 7 day table drawer 4.

Same. [In Dr. Green's Ten fac-simile reproductions.] Size, $11 \times 15\frac{1}{2}$ inches. S 964 G 82.

“ [In Boston Almanac 1853.] Size, $9\frac{1}{2} \times 10\frac{1}{2}$ inches. 26.71

Boston Athenæum.

- Same. [Smith.] Size, $14\frac{3}{4} \times 22\frac{3}{4}$ inches. Scale (computed), 400 feet to 1 inch. M. A. $\frac{33.50}{8.94}$.
- " [Smith.] Size, $16\frac{3}{4} \times 22\frac{3}{4}$ inches. Scale (computed), 477 feet to 1 inch. $\frac{33.50}{8.5}$.

Harvard College Library.

- " [In Boston Directory 1855.]

Essex Institute, Salem.

BOSTON, MAP OF.

Map of Boston, 1722. Drawn by Samuel C. Clough. Boston, Feb. 26, 1900. Size, $16 \times 22\frac{1}{2}$ inches. Scale, 500 feet to an inch.

This plan is a blue print, and was compiled from Bonner's map, the Memorial History of Boston, Drake's Landmarks, and W. H. Whitmore's notes in the Book of Possessions; both Winsor's and Lamb's maps were referred to for the general shore line at the early period of marshes, creeks and springs. The original is in possession of the author, Samuel C. Clough, Boston.

In portfolio. *Bostonian Society.*

BOWEN, ABEL.

Plan of Boston in 1722. [Boston, 1825.] Size, $3\frac{1}{5} \times 5\frac{7}{8}$ inches. Scale, none. No. 1 in *Map 30.8 = No. 14 in *Map 32.1.

Cut from Snow. History of Boston [2353.7.]

Same. (In Drake. History and antiquities of Boston, p. 557. Boston, 1856.)
2350.10 = **2350.10 = **2350.15. *Boston Public Library.*

" Size, $3\frac{5}{8} \times 5\frac{3}{4}$ inches. Scale, none.

In portfolio. *Massachusetts Historical Society.*

" Size, $3\frac{1}{4} \times 6\frac{1}{5}$ inches. Scale, none (approximately 2,070 feet to 1 inch).

No. 47. *Bostonian Society.*

" Size, $3\frac{3}{4} \times 5\frac{7}{8}$ inches. Scale, none (approximately 2,142 feet to 1 inch).

$\frac{33.50}{1.0}$. *Harvard College Library.*

" Size, $3\frac{5}{8} \times 5\frac{9}{10}$ inches. Scale, none.

Cut from Snow. History of Boston.

Essex Institute, Salem.

1724

BOWEN, A.

Plan of Boston, 1724. Size, $3\frac{5}{8} \times 5\frac{6}{8}$ inches. Scale, none.

In portfolio. *Massachusetts Historical Society.*

1728

BURGISS, WILL.

Plan of Boston in New England. Dedicated to his Excellency William Burnet, esq. by Will Burgiss. Engraven by Thos. Johnson, Boston, N. E. 1728. Reproduced in 1869. Size, $10\frac{1}{2} \times 14\frac{3}{8}$ inches. Scale (computed), 982+ feet to an inch.

The note in the lower left-hand corner of this map, "Originally engraved in 1729," should be 1728. For description of the map, see "Memorial History of Boston," V. 2, p. liii.; also Shurtleff's Boston. Shurtleff calls this "evidently a corrected and improved copy of Bonner."

A-37 *Engineering Department (Surveying Division).*

Same. Size, $10\frac{1}{2} \times 14\frac{3}{8}$ inches. Scale (computed), 982 feet to an inch.
D-755. *Harbor and Land Commissioners' office.*

" [Date is 1728.] Size, $10\frac{1}{4} \times 14\frac{1}{4}$ inches.

Library of Congress, Washington, D. C.

" Size, $10\frac{3}{8} \times 14\frac{1}{4}$ inches. Scale (computed), 960 feet to an inch.

Two copies.

No. 16 in *Map 32.1.

Same. Printed for the Bostonian Society, 1885. No. 17 in *Map 32.1.
Two copies.

Boston Public Library.

- Same. Size, $10\frac{3}{4} \times 14\frac{1}{4}$ inches. Scale (computed), 960 feet to an inch.
Massachusetts Historical Society.
- " Size, $10\frac{1}{2} \times 14\frac{3}{8}$ inches. Scale (computed), 982 feet to an inch.
 No. 48. *Bostonian Society.*
- " *Essex Institute, Salem, Mass.*
- " [An original print.] *Dr. J. Collins Warren, Boston.*

1731

- Coast of New England, A correct map of the. 1731. Scale, $3\frac{1}{2}$ inches = 20 Leagues.
- Boston Harbour, A map of. Scale (computed), 1.5 miles to an inch.
 Size, $18\frac{1}{2} \times 42\frac{1}{2}$ inches.

No. 715. *Bostonian Society.*

1732

- [Town Dock and Market Place, Plan of the.] Original manuscript.
 [Boston, 1732?] Size, $25\frac{1}{2} \times 32\frac{3}{8}$ inches. Scale, 60 links to an inch,
 or $39\frac{6}{10}$ feet to an inch.

Plan shows from foot of Cornhill (Washington st.), at corner of Wilson's lane (Devonshire st.), to Union st., and Ann (North) st. as far as Mill creek; shows the town dock and the platform over it; the fish shop; and the abutting owners or residents. Vol. 1, p. 3½.

- Same. Size, $20\frac{1}{2} \times 29$ inches. Scale, 60 links, or $39\frac{6}{10}$ feet to an inch.

This plan contains the following notes: Copied from a copy made by Francis Jackson, January, 1835. Made by N. B. Shurtleff, January, 1851. Copied from plan made by Shurtleff, April 7, 1860, by W. H. Beale, in City Engineer's office.

- A reduced copy in 2d report of Boston Record Commissioners, p. 95.
 M-153.

Engineering Department (Surveying Division).

- Same. In cabinet. *Massachusetts Historical Society.*

1734

- Boston, The town of, in New England [1734 ?]. Size, $7\frac{1}{2} \times 11\frac{1}{2}$ inches. Scale (computed), 1,056 feet to an inch.
- The plan is very similar to Bonner's map.

No. 49. *Bostonian Society.*

1738

BLAKE, JAMES.

- A plan of the Town Dock, formerly called Bendall's Dock, in Boston, with the Round and Platto before it. Taken by me, James Blake, Surveyor. August 26th, 1738. Size, $19\frac{3}{8} \times 27\frac{1}{2}$ inches. Scale, either 5 rods to an inch, or 80 feet to an inch.

Copied from an old plan in the possession of Charles Shaw, Esq., January 7, 1817.

1739

PRICE, WILLIAM.

- A new plan of ye town of Boston in New England in America, with the many additional buildings and new streets to the year 1739. Dedicated to his Excellency Jonathan Belcher Esq. by William Price, Boston, 1739. Engraved and printed by Fra: Dewing. [Photograph of an original print in the British museum.] Size, $9\frac{1}{2} \times 13$ inches. Scale (computed), 853+ feet to an inch.

The legend gives the dates of the great fires, visitations of the small-pox, and dates of the founding of the churches. The map is a corrected Bonner map.

In portfolio. *Massachusetts State Library.*

Same. Size, $9\frac{1}{2} \times 13$ inches. Scale (computed), 844.8 feet to an inch.
No. 18 in * Map 32.1 = No. 2 in ** 2350.35.

Boston Public Library.

“ Size, $9\frac{1}{2} \times 13$ inches. Scale (computed), 853+ feet to an inch.
In portfolio. *Massachusetts Historical Society.*

“ Size, $16\frac{3}{8} \times 22\frac{3}{8}$ inches. Scale (computed), 480 feet to an inch.

A manuscript copy by G. A. Ward, 1821. Made from a copy in possession of Rev. Dr. Prince.

Essex Institute, Salem.

1743

Same. Size, 17×24 inches. Scale (computed), 461 feet to an inch.

A true copy of the original by Alexr. Wadsworth, Boston, Dec. 1826. Sworn to by Alexr. Wadsworth before Samuel F. McCleary, Just. Peace and City Clerk.

A 120. *Engineering Department (Surveying Division).*

Same. Size, $16\frac{1}{2} \times 23\frac{1}{2}$ inches.

Library of Congress, Washington, D. C.

“ Size, abt. 17×24 inches. Scale (computed), 461 feet to an inch.

This map is one of the original edition, and is in possession of Dr. James B. Ayer.

1757

BOWEN, EMANUEL.

Particular draughts and plans of some of the principal towns and harbours belonging to the English, French, and Spaniards, in America and West Indies. Collected from the best authorities. [London, 1757.] Size, $13\frac{3}{4} \times 17$ inches. 13 plans on 1 sheet. No. 48 in * Map 57.3.

The first plan is A draught of Boston harbour. Cut from his A complete system of Geography, vol. 2 [* 6250.10.2].

Boston Public Library.

1758

Grundriss von der stadt Boston. Size, $8\frac{1}{2} \times 10$ inches.

In Allgemeine historie der reisen zu wasser und lande. 4^o. Lelpzig, Arkstee & Merkus, 1758.

Library of Congress, Washington, D. C.

Same. Size, $8\frac{1}{2} \times 10$ inches. Scale (computed), $\frac{7}{10}$ meilen to an inch.

Dr. James B. Ayer, Boston.

1760

LEACH, JOHN.

Survey of streets from Pudding lane (Devonshire st.) to the Sconce, between Milk st. and King (State) st. [A copy.] Size, $11 \times 13\frac{1}{4}$ inches. Scale, 150 feet to an inch.

“The inequality of the streets with respect to the breadth is too difficult to determine in this plan, they being about 8 to 28 feet; therefore thought it best to run my chain along of each street.”

Vol. 20, p. 72. *Engineering Department (Surveying Division).*

1763

KITCHIN, THOS.

A new and accurate map of the British Dominions in America, according to the treaty of 1763. Divided into the several Provinces and Jurisdictions. Projected upon the best authorities and astronomical observations by Tho^s. Kitchin, Geographer. Printed for Andrew Miller, London. Size, $20\frac{3}{8} \times 24\frac{3}{8}$ inches. Scale (computed), 103 miles to an inch.

Vol. 20, p. 50. *Engineering Department (Surveying Division).*

1763

COLTELLINI, LIVORNO M.

Carta rappresentanti il porto di Boston. G. M. Tierreni Sc. Size, $7 \times 8\frac{1}{2}$ inches.

[In Gazzettiere (II) Americano. 4° Livorno, M. Coltellini, 1763. V. 1, p. 42.]

Library of Congress, Washington, D. C.

1764

BELLIEU, JACQUES NICHOLAS.

Plan de la ville de Boston. Size, $6 \times 8\frac{1}{2}$ inches.

[In Bellieu (Jacques Nicholas) Le petit atlas maritime [etc.] fol. [Paris] 1764, V. 1, No. 31].

Library of Congress, Washington, D. C.

Same. Carte de la baye de Boston, située dans le nouvelle Angleterre. Eshelle de deux lieues communes. 1 inch = $\frac{8}{10}$ lieues. Size, $6\frac{3}{4} \times 8\frac{1}{4}$ inches.

In Bellieu (Jacques Nicholas) Le petit atlas maritime, V. 1, p. 30.

In portfolio. Massachusetts Historical Society.

Plan de la ville et du port de Boston, capitale de la non velle Angleterre. Erigée premierement en 1630, et en 1735 elle fut divisée en douze quartiers. La couleur june indique les bancs de sable. A Paris chés Lattre rue St. Jacques vis-a-vis la rue de la Parchuninerie. C. P. R. Size, $18\frac{1}{2} \times 25\frac{3}{4}$ inches. Mille d'Angleterre de 22 au degré.

Dr. James B. Ayer, Boston.

1768

REVERE, PAUL.

A view of part of the town of Boston in New England, and the British ships of war landing their troops, 1768. Engraved, printed, and sold by Paul Revere, Boston. Size, $4\frac{1}{2} \times 6\frac{3}{4}$ inches.

[In the magazine of American history. Edited by Martha J. Lamb? 4°. New York, 1886. V. 15, p. 12.]

NOTE.—To accompany an article by E. H. Jossion "Paul Revere."

1769

PRICE, WILLIAM.

A new plan of ye great town of Boston in New England in America, with many additional buildings and new streets to the year 1769. Dedicated to his Excellency Jonathan Belcher, Esq. Size, $16\frac{3}{8} \times 23\frac{1}{4}$ inches. Scale (computed), 474 $\frac{6}{10}$ feet to an inch.

This map is a Bonner map of 1722, corrected to 1769, and is one of the original edition.

Vol. 20, p. 41. *Engineering Department (Surveying Division).*Same. Size, 17×24 inches.*Library of Congress, Washington, D. C.*

1770

LOTTER, TOBIAS CONRAD.

[Remnant of large map. Evidently of New England (southeast part), Colored. Tobias Conrad Lotter? Augsburg 1770? Size, $19 \times 19\frac{3}{8}$ inches. Scale, $9\frac{1}{4}$ inches = 1° lat. = about 7.46 miles to an inch.

Same. Schnographia Portus Bostonien Sis. Size, $5\frac{3}{8} \times 5\frac{3}{8}$ inches. Scale (computed), 1 milliar = $\frac{7}{10}$ of an inch.

" Schnographia Urbis Boston. Size, 5×7 inches. Scale, none, about 1,600 feet to 1 inch.

Harvard College Library.

1771

HAMILTON, A. JR., PUBLISHER.

A plan of Boston and Charlestown from a survey made in 1771. Engraved for the town and County magazine. London. A. Hamilton, Jr., 1776. Size, $4\frac{1}{2} \times 12\frac{3}{8}$ inches. Scale (computed), $5\frac{1}{7}$ miles to an inch.

$\frac{3355}{7}$, *Harvard College Library.*

Same. Size, $4\frac{1}{2} \times 16\frac{1}{2}$ inches.

Dr. James B. Ayer, Boston.

1774

New plan, A, of Boston harbour, from an actual survey. (In Universal magazine 8° London. J. Hinton, 1774. V. 54. May, 1774, opp. p. 225).

Library of Congress, Washington, D. C.

Same. Size, $7\frac{1}{2} \times 10\frac{3}{4}$ inches. Scale (computed), 1.77+ miles to an inch. * 7224. 8.54.

Boston Public Library.

“ Scale (computed), 1.64 miles to an inch.

Dr. James B. Ayer, Boston.

LODGE, J., ENGRAVER.

A chart of the coast of New England, from Beverly to Scituate harbor, including the ports of Boston and Salem. [London, 1774]. Size, $7\frac{1}{2} \times 9\frac{1}{2}$ inches. Sub-map. A plan of the town of Boston.

(In The London magazine, 8° London, for R. Baldwin, 1774. V. 43, April, 1774, opp. p. 165).

Same. Size, $6\frac{3}{4} \times 9\frac{1}{4}$ inches. Scale (computed), 3.2 miles to an inch.

Size of sub-map, 4×5 inches. Scale, none. No. 20a in *Map 32.1.

Cut from London Magazine, April, 1774. [*5179.3.84].

Boston Public Library.

CRANE, A. O., PUBLISHER.

A new and accurate plan of the town of Boston, 1774. Size, $7\frac{1}{2} \times 14\frac{1}{2}$ inches. Scale, none.

A new plan of Boston Harbor. From an actual survey, 1774. Size $9\frac{3}{8} \times 14\frac{1}{2}$ inches. Scale (computed), 1.46 miles to an inch. Boston. A. O. Crane, 1875.

The original plate was engraved from an accurate survey by British engineers just previous to the revolutionary war. A somewhat enlarged heliotype in the Universal magazine. D-756.

Harbor and Land Commissioners' Office.

Same.

Library of Congress, Washington, D. C.

“

No. 242 *Mass. State Library.*

“

No. 20 in *Map 32.1. *Boston Public Library.*

“

No. 50. *Bostonian Society.*

JEFFERY'S THOS., GEOGRAPHER.

A map of the most inhabited part of New England, containing the provinces of Massachusetts Bay and New Hampshire, with the colonies of Connecticut and Rhode Island, divided into counties and townships; the whole composed from actual surveys, and its situation adjusted by astronomical observations November 29th, 1774. Published according to act by Thos. Jeffery's, Geographer to his Royal Highness, the Prince of Wales, near Charing Cross.

Contains 2 sub-maps. 1. A plan of Boston harbor from an accurate survey. 2. A plan of the town of Boston.

Library of Congress, Washington, D. C.

Same. Size, $37\frac{3}{4} \times 40$ inches. Scale (computed), 7+ miles to an inch.
 Size of sub-map 1, $5\frac{5}{8} \times 5\frac{3}{4}$ inches. Scale (computed), 2+ miles to an inch.
 Size of sub-map 2, $5\frac{1}{2} \times 8\frac{7}{8}$ inches. Scale, none. No. 14, 15 in * Map 54.6=No. 4, 5 in * Map 118.5=* Map 1,014.6.

Boston Public Library.

Same. In portfolio. *Massachusetts Historical Society.*

A plan of the town of Boston. — A plan of Boston Harbor.

In Faden (William) edition. The North American atlas, fol. London, for William Faden, 1777. No. 8-9.

Inset to Green's "A map of the most inhabited part of New England, 1774."

Library of Congress, Washington, D. C.

A new and accurate plan of Boston in New England. Am. Photo.

Lith. Co. N.Y. (Osborne's process.) Size, $6 \times 8\frac{3}{8}$ inches. Scale, none.

Probably taken from Kidder's "Boston Massacre," 1870.

In portfolio. *Mass. Historical Society.*

Same. *Essex Institute, Salem, Mass.*

" *Dr. James B. Ayer, Boston.*

A new plan of Boston, from an actual survey, 1774. Size, 19×24 inches. Scale (computed), $\frac{1}{2}$ mile to an inch.

This map is worked in silk and bears the legend:—"Worked by Lydia Withington at Mrs. Rowson's, Boston, June 30, 1799.

No. 51. *Bostonian Society.*

1775

PELHAM, HENRY.

A plan of Boston in New England with its environs, including Milton, Dorchester, Roxbury, Brookline, Cambridge, Medford, Charlestown, parts of Malden and Chelsea, with the military works constructed in those places in the years 1775 and 1776. London, 1777. Engraved in aqua tinta by Francis Jukes. [Boston.] George Lamb, 1876. Size, $29\frac{3}{4} \times 38\frac{1}{2}$ inches. Scale (computed), 1184.3 feet to an inch.

A reproduction of a tracing from one of the original editions at Harvard College Library, by George Lamb.

A 1, *Engineering Department (Surveying Division).*

Same. Size, 27×40 inches.

Library of Congress, Washington, D. C.

" Size, $29\frac{3}{4} \times 38\frac{1}{2}$ inches. Scale (computed), 1184.3 feet to an inch. *Map 34.2=No. 33 in *Map 32.1=No. 5 in *Map 30.8.

Boston Public Library.

" Size, $26\frac{3}{8} \times 37\frac{3}{4}$ inches. Scale (computed), 1181.5+ feet to an inch. In portfolio. *Massachusetts Historical Society.*

" Size, $26\frac{1}{2} \times 38\frac{1}{2}$ inches. Scale (computed), 1152 feet to an inch.

" (An original print.) Size, 20×27 inches.

" (" " " of the part showing Dorchester, Dorchester neck, parts of Roxbury, Boston and Chelsea; also Noddle's Island. Size, $19\frac{1}{4} \times 27$ inches. Scale (computed), 1126 feet to an inch. $\frac{3355}{10}$

Same. (Apparently an original print, but does not have the author's signature). Size, 27×38 inches. Scale (computed), 1167+ feet to an inch.

Note by John Langdon Sibley, March 28, 1876. "This valuable map, presented to Harvard College Library in a dilapidated and ragged condition, 30 September, 1848, by Luther V. Bell, M.D., of the McLean asylum in Somerville, was transferred to a new canvas by George Lamb of Cambridge, Engineer, who by means of another imperfect copy, was enabled by tracing to supply a missing portion in the lower left hand corner

Harvard College Library.

Same. (An original print.) Size, $18\frac{1}{2} \times 27$ inches.

Essex Institute, Salem.

Boston. (Lantern slide by Charles H. Swan), M. S., 202.

M. W. & S. Com. Sewerage Engineers.

PAGE LIEUT.

A plan of the town of Boston with the intrenchments, etc., of His Majesty's forces in 1775, from the observations of Lieut'.

Page. Engraved and printed for William Faden. London, 1777. Size, $11\frac{1}{4} \times 16\frac{1}{2}$ inches. Scale (computed), 276+ yards to an inch.

Engraved for Frothingham's Siege of Boston, 1849.

A-53. *Engineering Department (Surveying Division).*

Same. Size, $12 \times 17\frac{1}{2}$ inches.

Library of Congress, Washington, D.C.

" 2353.1. *Boston Public Library.*

" Size, $11\frac{3}{4} \times 16\frac{1}{10}$ inches. Scale (computed), 276+ yards to an inch.

In portfolio. *Massachusetts Historical Society.*

" Size, $12 \times 17\frac{1}{2}$ inches. No. 58. *Bostonian Society.*

" Size, $11\frac{1}{2} \times 17$ inches. Scale (computed), 281+ yards to an inch. $\frac{33.55}{4}$. *Harvard College Library.*

" Size, 12×17 inches [In atlas of Battles of the American revolution. fol. (London. 1770-1793). No. 18].

Another copy in separate form.

Library of Congress, Washington, D.C.

Same. (Original print). Size, $12 \times 17\frac{3}{8}$ inches. Scale (computed), 270.7 yards to an inch.

No. 32 in *Map 32.1. *Boston Public Library.*

" Size, $11\frac{1}{8} \times 16\frac{3}{8}$ inches.

" Size, $11\frac{3}{8} \times 16\frac{7}{8}$ inches. Scale (computed), 276 yards to an inch (probably a proof map).

In portfolio. *Massachusetts Historical Society.*

Same. A plan of the town of Boston and its environs, with the lines, batteries and incampments of the British and American Armies. [By Lieut. Page. MS. Anon.] Size, 18×25 inches.

Drawn after the castle was "demolished," before Dorchester Heights were fortified. [Faden collection No. 33.]

Same. Boston, its environs and harbour, with the rebels works raised against the town in 1775; from the observations of Lieut. Page and from those of other gentlemen, MS. [1775]. Size, 18×25 inches. [Faden collection, no 34.]

Same. from the observations of Lieut. Page of his Majesty's corps of engineers and from the plans of Capt. Montessor. Engraved by William Faden. [London.] W. Faden, 1777.

In Faden (William) editon. The North American atlas.

[Rough draught of Boston and environs. MS. Anon. 1775]. Size, 17×21 inches. [Faden collection, No. 36].

Library of Congress, Washington, D.C.

SAYER, R. & BENNETT, J., PUBLISHERS.

Plan of Battle of Bunker Hill, fought on the 17th. of June 1775.

By an officer on the spot. London. Sayer & Bennett, Nov. 27, 1775.

Size, $13\frac{1}{2} \times 15\frac{1}{2}$ inches. Scale (computed), 982.4 feet to an inch.

Attached, and a part of the same document is a printed description of the action near Boston on the 17th June. From a letter written by General Burgoyne to his nephew, Lord Stanley.

Vol. 20 p. 43. *Engineering Department (Surveying Division).*

Same. Size $13\frac{1}{2} \times 15\frac{1}{2}$ inches. Scale (computed), 960 feet to an inch.

$\frac{33.53}{18}$. *Harvard College Library.*

ARMSTRONG, M.

Thirty miles round Boston, by M. Armstrong. 14th. Aug^t. 1775.
A. Bell, sc. Size, $8\frac{5}{8} \times 8\frac{3}{8}$ inches. Scale (computed), 6.9 miles to an inch.

Circles show five mile distances from the centre of the town. Photograph, from an original print in the British museum.

In portfolio. *Massachusetts State Library.*

Same. No. 25 in *Map 32.1=No. 9 in **2350.35

Boston Public Library.

“ Thirty miles round Boston by M. Armstrong, 14 aug. 1775.
A. Bell & co. [Also] Action near Charleston, 17 June, 1775. Size, 10×10 .

In the Scots magazine, 1775 8^o Edinburgh, [1775] V. 37, p. 440.

Library of Congress, Washington, D.C.

Same. Size, $8\frac{1}{2} \times 8\frac{3}{4}$ inches.

Photograph of an original map in London.

In portfolio. *Massachusetts Historical Society.*

DURY, ANDREW, PUBLISHER.

A plan of Boston, and its environs. Showing the true situation of His Majesty's army. And also those of the rebels. Drawn by an army engineer at Boston. Oct^r. 1775. Engraved by Jno Lodge. London. Dury, 1776. Size $17\frac{3}{4} \times 25$ inches. Scale (computed), 1263 feet to an inch.

No. 16 in *Map 54.6.

The principal part of this plan was surveyed by Richard Williams, Lieutenant at Boston.

Same. Photographic copy.

No. 30 in *Map 32.1.

Four copies.

Boston Public Library.

Same. Size, $18 \times 25\frac{1}{4}$ inches. Scale (computed), 1320 feet to an inch.
 $\triangle 64B=F75W$. *Boston Athenæum.*

“ Size, $17\frac{3}{4} \times 25$ inches. Scale (computed), 1263 feet to an inch.
Dr. James B. Ayer, Boston.

Map, A, of 100 miles round Boston. [Anon.] Size, $9 \times 9\frac{1}{2}$ inches.

[In The Gentleman's magazine. 8^o. London. For D. Henry (1775).
V45 June 1775. opp. p. 293]

Library of Congress, Washington, D. C.

Same. Size $8\frac{5}{8} \times 9\frac{3}{8}$ inches. Scale, none.

No. 24 in *Map 32.1.

Cut from Gentleman's magazine. Vol. 45 [*3135.1.45=**G.351.3.45].

Boston Public Library.

ROBSON, T., PUBLISHER.

Plan of the town of Boston with the attack on Bunkers-hill in the peninsular of Charlestown, the 17th of June 1775. Newcastle upon Tyne. [1775]. Size $5\frac{1}{2} \times 11\frac{1}{2}$ inches. Scale, none.

In John Murray. An impartial history of the present war in America. 8^o Newcastle upon Tyne, for T. Robson 1778-80, opp. p. 431.

Same.

In David Pulsifer. An account of the battle of Bunker Hill. 18^o. Boston, 1872 front.

Library of Congress, Washington, D. C.

Same. Size, $5\frac{1}{4} \times 11\frac{3}{8}$ inches. Scale, none.

No 21 in *Map. 32.1.

Copied from plan bearing same title appended to “The seat of war in New England by an American volunteer.” [No. 22 in *Map 57.3.

Same. Slightly enlarged, heliotype copy. Size, $5\frac{1}{4} \times 11\frac{3}{8}$ inches.

No. 21a in * Map. 32.1. *Boston Public Library.*

Same. Size, $5\frac{1}{2} \times 11\frac{1}{2}$ inches. Scale, none.

“ (reduced). Size, $4\frac{1}{2} \times 8$ inches. Scale, none.

“ *Dr. James B. Ayer, Boston.*

Plan of the town of Boston and the circumjacent country, shewing the present situation of the King's troops & the rebel's intrenchments. 25th. July 1775. Size, 17×17 inches.

In Massachusetts historical society. Proceedings 1879-80. 8°. Boston 1880. V. 17. front & p. 62.

Library of Congress, Washington, D. C.

Same. (On tracing paper). Size, $16\frac{3}{4} \times 17\frac{1}{4}$ inches. Scale, obliterated. In portfolio. *Massachusetts Historical Society.*

“ Size, $16\frac{1}{2} \times 19\frac{3}{8}$ inches. Scale (computed), 122 rods to an inch. *2355.12.17.

Boston Public Library.

Same. Size, $16\frac{1}{2} \times \frac{7}{8}$ inches. Scale (computed), 121.9 rods to an inch.

Fac-simile of original from Massachusetts Historical Society 1879-80. Brown paper. $\frac{3\frac{3}{4} \times 5\frac{3}{4}}{1}$. *Harvard College Library.*

Same. Size, $16\frac{1}{2} \times 16\frac{3}{8}$ inches. Scale (computed), 121.9 rods to an inch $\angle 64 B = F 75$ *Boston Athenæum.*

AITKEN, R., SCULP.

A new and correct plan of the town of Boston, and provincial camp. Aitken, sculp. Size, $7\frac{1}{2} \times 10\frac{1}{2}$ inches.

In the Pennsylvania Magazine, or American Monthly Museum, 1775. 8°. Philadelphia, R. Aitken, 1775. V. 1, p. 291.

Library of Congress, Washington, D. C.

Same. Size, $7\frac{3}{8} \times 10\frac{1}{4}$ inches. Scale, none.

Essex Institute, Salem.

A new and correct plan of the town of Boston. Size, $7\frac{1}{2} \times 10\frac{1}{2}$ inches.

In the Gentleman's Magazine, 8°. London, for B. Henry (1775). V. 45, October, 1775. facing p. 493.

Library of Congress, Washington, D. C.

Same. Size, $7\frac{3}{8} \times 10\frac{3}{8}$ inches. Scale, none.

In portfolio. *Massachusetts Historical Society.*

“ Size, $7\frac{3}{8} \times 10\frac{3}{8}$ inches. Scale, none (abt. 1,252 feet to an inch). $\frac{3\frac{3}{8} \times 5\frac{3}{8}}{1}$. *Harvard College Library.*

A draught of the towns of Boston and Charlestown and the circumjacent country, shewing the works thrown up by his Majesty's troops, and also those by the Rebels, during the campaign 1775. MS. (anon.) (1775). Size, 17×17 inches.

ALMON, J.

Map of 40 miles round Boston. [Also plan and chart of Boston.]

In the Remembrancer, 2d ed. 4°. London, J. Almon, 1775. Front.

Same. Map of the environs of Boston. Drawn at Boston in June 1775. (Anon.). London. J. Almon, Aug. 28, 1775. Size, 8×10 inches.

In the Remembrancer, 3d ed. 8°, London, for J. Almon, 1775. Front.

CARRINGTON, HENRY B.

Boston and vicinity.

In Henry B. Carrington. Battle maps and charts of the American revolution. 8°. New York, 1881.

ROMANS, B.

To the hon^l Jno. Hancock esq. president of y^e. continental congress, this map of the seat of civil war in America, is respectfully inscribed by his most obedient, humble servant, B. Romans. [N. p. 1775.] Size, 16×17 inches.

NOTE.—Inset “Plan of Boston and its environs 1775,” and “A view of the lines thrown upon Boston neck by the ministerial army.”

WHEILDON, W. W.

Plan of the town of Boston with the attack on Bunker's-Hill, in the peninsula of Charlestown, the 17th of June, 1775. Size, $7\frac{1}{2} \times 14$ inches.

In W. W. Wheildon. New history of the battle of Bunker Hill, June 17, 1775, 8°. Boston, 1875, at end.

PHILLIPS, R.

Boston and its environs in 1775. [Reprint from a map published by R. Phillips, London, Sept. 13, 1806.] Size, $7\frac{3}{4} \times 12$ inches.

In Arthur Gilman. The Story of Boston. 12°. N. Y. 1889, opp. p. 209.

[Boston and environs, showing entrenchments. MS. 1775?] Size, $17\frac{1}{2} \times 19$ inches.

NOTE. — No. 25.

TRUMBULL, JOHN.

Boston and the surrounding country & posts of the American troops. Sept. 1775.

In John Trumbull. Autobiography, 1756-1841. 8°. New York and London. Wiley & Putnam, 1841. p. 24.

Plan of the southwest part of Boston, and the "Neck." MS. [Anon.] [1775]. Size, 13×16 inches.

Boston, South part. MS. [Anon.] 1775. Size, $12\frac{1}{2} \times 15\frac{3}{4}$ inches.

Title in pencil, date in ink. No. 25.

Plan d'une partie de la rade de Boston pour faire connaitre le dispositif de ses défences. [Anon.] MS. col. [1775.] Size, 8×19 inches. [Rochambeau: 14.]

With 4 l of MS. text, explanatory.

[Plan of the "Neck" and environs, giving distances in yards to Foster's hill and "Roxbury meeting." MS. Anon. 1775.] Size, $10\frac{1}{2} \times 16\frac{1}{2}$ inches.

[Plan of the "Neck" and fortifications. Col. MS. Anon. 1775.] Size, 8×14 inches.

"Delivd. to H. E. Gt. Gage, June 30th, 1775. — J. M. i.e., John Montrossor."

[Plan of a temporary project for a star redoubt to contain 150 men, at the Neck on the south. MS. Anon. 1775.] Size, 8×13 inches.

[Map of roads adjacent to Boston. MS. Anon. 1775.] Size, 21×42 inches.

From the Neck to Sudbury and vicinity.

A plan of the British lines on Boston Neck in Aug. 1775. MS. [Anon.] [1775.] Size, 9×11 inches. [Faden collection, No. 37.]

Pen drawing.

AITKEN, R., SCULP.

Exact plan of General Gage's lines on Boston neck, in America.

Aitken, sculp. Size, $9 \times 11\frac{1}{2}$ inches. A scale of $\frac{1}{4}$ of a statute mile.

In the Pennsylvania Magazine; or American Monthly Museum, 1775. 8°. Philadelphia. R. Aitken, 1775. V. 1, p. 350.

Library of Congress, Washington, D. C.

Boston and its neighborhood, with the fortifications during its siege in the Revolution [1775?] Size, 9×9 inches. Scale (computed), 3,072 feet to an inch.

A photograph of the original in the British Museum. Gives a view of Boston, the capital of New England, from Col. Hatch's house, on the road to Dorchester; a view of Dorchester Neck; different views of Castle William, and Charlestown.

In portfolio. *Massachusetts State Library.*

Same. No. 15a in *Map 32.1.

Boston Public Library.

" In portfolio.

Massachusetts Historical Society.

" (Reduced copy.) Size, $4\frac{1}{16} \times 4\frac{1}{8}$ inches.

Massachusetts State Library.

Same. No. 15 in *Map 32.1=No. 5 in **2350.35.

Boston Public Library.

“ In portfolio. *Massachusetts Historical Society.*

Exact plan of General Gage's lines on Boston Neck in America. Boston [?]. Size, $8\frac{3}{4} \times 11\frac{3}{8}$ inches. Scale (computed), 319 feet to an inch. No. 17 in *Map 32.1.

Copied from Pennsylvania Magazine, July 31, 1775 [**II. 94.85.]

Boston Public Library.

Same. [A Lithograph by Tidd. After an old cut in the Pennsylvania magazine, dated July 31, 1775].

No. 56. *Bostonian Society.*

Seat, The, of war in New England, by an american volunteer, with the marches of the several corps sent by the colonies toward Boston, with the attack on Bunker-Hill. London. R. Sayer & Bennett, 1775. Size, $17\frac{3}{4} \times 21$ inches. Scale (computed), $7\frac{1}{2}$ miles to an inch.

Contains two sub-maps. 1. Plan of Boston harbour, from an actual survey. Size, $5\frac{3}{8} \times 5\frac{1}{2}$ inches. Scale (computed), $2\frac{1}{2}$ miles to an inch. 2. Plan of the town of Boston, with the attack on Bunker Hill. Size, $5\frac{3}{8} \times 11\frac{3}{8}$ inches. Scale, none. No. 22 in ***Map 57.3. Copies of the plan of Boston are on No. 21 in *32.1.

Boston with its environs in 1775 & 1776. Size, 5×7 inches. Scale, 6498.4 feet to an inch. (In Sparks, Jared. The writings of George Washington. Vol. 3, p. 26. Boston, 1838.)

$4491.103.3 = 2402.1.3 = B.6043.50.3.$

Same. (In Celebration of Centennial anniversary of the evacuation of Boston. P. 138.) Boston, 1876. *2351.57=** G. 300.12.

Boston Public Library.

GORDON, DR., PUBLISHER.

Boston with its environs. Engraved for Dr. Gordon's History of the American War. T. Conder, Sculpt. London. Gordon, 1788.

Size, $8\frac{3}{4} \times 12\frac{9}{16}$ inches. Scale (computed), 4,332+ feet to an inch.

To face the title of Vol. II.

FROTHINGHAM, JR., RICHARD, PUBLISHER.

Boston with its environs in 1775-1776. Engraved for Frothingham's History. Size, $6\frac{1}{8} \times 9\frac{3}{16}$ inches. Scale (computed), 6,034+ feet to an inch.

Same. Size, $9\frac{1}{8} \times 9\frac{1}{4}$ inches.

In portfolio. *Massachusetts Historical Society.*

“ Size, $6\frac{1}{4} \times 9$ inches.

$\frac{33.55}{6}$. *Harvard College Library.*

DES BARRES, JOSEPH FREDERICK WALLET.

[Boston Harbour.] London. J. F. W. Des Barres, Aug. 5, 1775.

Reproduced in 1870 by A. Meisel, Lith. Size, $27\frac{3}{8} \times 40$ inches. Scale (computed), 2,112 feet to an inch. C. C. — 572.

Same. A — 123. *Engineering Department (Surveying Division).*

“ *4450.15=No. 29 in *Map 32.1.

Reprinted from Shurtleff, Topographical and Historical description of Boston. [* 4451.20 etc.].

Boston Public Library.

Same. In portfolio. *Massachusetts Historical Society.*

Same. Reproduced by George H. Walker & Co., Boston, from reproduction by A. Meisel. (In City Surveyor's report for the year 1893).

Engineering Department (Surveying Division).

Same. A chart of the harbour of Boston, composed from different surveys: but principally from that taken in 1769 by Mr. George Callender, late Master of His Majesty's ship Romney. London. J. F. W. Des Barres, Aug. 5, 1775. Size, $27\frac{1}{2} \times 40\frac{3}{8}$ inches. Scale (computed), 2,060 feet to an inch.

This map is on heavy paper, and attached to it is a sheet giving nautical remarks and directions, and a view of Boston from Dorchester Neck. In Vol.

Harbor and Land Commissioners' Office.

Same. In portfolio. *Massachusetts Historical Society.*

" *Essex Institute, Salem, Mass.*

" No. 52. *Bostonian Society.*

This map does not have the sheet containing the nautical remarks, etc.

Same. No. 28 in *Map 32.1. *Boston Public Library.*
(In his Atlantic Neptune. Vol. 2. London, 1777.) No. 12 in *Map 116.12, part 2.

Plan, A, of the town and chart of the harbour of Boston, exhibiting a view of the islands, castle, forts, and entrances into the said harbour. Feby. 1st, 1775. [London], 1775. Size, $10\frac{1}{2} \times 13$ inches.

In The Gentleman's Magazine, 8°. London, for D. Henry (1775). V. 45, January, 1775, opp. p. 41.

Library of Congress, Washington, D.C.

Same. Size, $10\frac{3}{8} \times 13\frac{1}{4}$ inches. Scale (computed), 1.2+ miles to an inch. No. 26 in *Map 32.1.

Cut from Gentleman's Magazine, Vol. 45. [* 3135.1.45=**G. 351.3.45.]

Boston Public Library.

Same. $3\frac{3}{8} \times 5\frac{3}{8}$. *Harvard College Library.*

" Size, $10\frac{5}{16} \times 13\frac{1}{16}$ inches. Scale (computed), 1.25+ miles to an inch.

The gift of Josiah Quincy, 1860.

In portfolio. *Massachusetts Historical Society.*

Same. Size, $10\frac{3}{8} \times 13\frac{1}{8}$ inches. Scale (computed), 1.25+ miles to an inch.

Dr. James B. Ayer, Boston.

WHEELER AND GRANT.

A plan of the bay and harbour of Boston, surveyed agreeably to the orders and instructions of the right honorable the lord commissioners for trade and plantations. By messrs. Wheeler and Grant. MS. col. [1775?]. Size, 22×23 inches.

BOWLES, C.

Plan of Boston with its harbour and environs. Size, $5 \times 6\frac{1}{2}$ inches.

Inset Bowles (Carrington). Bowles' new pocket map of the most inhabited part of New England. London. C. Bowles. [1775?].

With marginal references.

[Boston & Harbour, Map of.] MS. Anon. 1775. Size, $10\frac{3}{4} \times 13\frac{1}{2}$ inches.

Title in pencil.

Library of Congress, Washington, D. C.

PAGE, LIEUT.

A plan of the action at Bunker's Hill, on the 17th of June 1775 between His Majesty's troops under the command of Major General Howe and the rebel forces. By Lieut. Page of the engineers, who acted as Aide de Camp to General Howe in that action. Engraved for Frothingham's History, by O. Pelton & W. E. Goldsmith. Boston, 1851. Size, $16\frac{3}{8} \times 18\frac{3}{4}$ inches. Scale (computed), 400 feet to an inch.

The ground plan is from an actual survey by Capt. Montessoro.

A-127. *Engineering Department (Surveying Division).*

Same. Size, $16\frac{3}{4} \times 13\frac{3}{4}$ inches. Scale (computed), 405 feet to an inch.
In portfolio.

“ (On tracing paper and colored.) In portfolio.
Massachusetts Historical Society.

“ Size, $16\frac{1}{2} \times 19$ inches. $\frac{3\frac{3}{4} \times 5\frac{5}{8}}{1\frac{1}{2}}$

“ “ $6\frac{1}{8} \times 9\frac{1}{8}$ “ $\frac{3\frac{3}{4} \times 5\frac{5}{8}}{2\frac{1}{2}}$

Harvard College Library.

“ (A tracing. Made June 2d, 1853.) Size, $10\frac{1}{4} \times 17$ inches. Scale
(computed), 400 feet to an inch. Vol. 20, p. 44.

Engineering Department (Surveying Division).

DE BERNIERE, HENRY.

Sketch of the action on the heights of Charlestown, June 17, 1775,
between His Majesty's troops under the command of Major Gen-
eral Howe and a large body of American Rebels. Drawn by Hen^y
De Berniere, 10 Reg^t. Inf^y. Size, $12 \times 19\frac{5}{16}$ inches. Scale, none.

Two sketches of the above on tracing paper.

Same. Copied by I. A. Chapman from an original sketch. Engraved
by Kneass, Young & Co., for the *Analectic* magazine.
Philadelphia. M. Thomas. Size, $13 \times 19\frac{1}{2}$ inches. Scale,
none.

In portfolio. *Massachusetts Historical Society.*

“ Size, $13\frac{1}{4} \times 19\frac{3}{4}$ inches. Scale, none.

No. 54. *Bostonian Society.*

SMITH, GEORGE G., ENGRAVER AND PUBLISHER.

Sketch of the battle of Bunker Hill. By a British officer [Henry
De Berniere]. Boston. Smith, 1843. Size, $11\frac{3}{8} \times 19\frac{1}{4}$ inches. Scale,
none.

In portfolio. *Massachusetts Historical Society.*

“ Size, $11\frac{7}{8} \times 19\frac{1}{8}$ inches. Scale, none (about 600 feet to an inch).
7 day table, drawer 8. *Boston Athenæum.*

Bunker Hill. Plan of fortifications [1775?] Size, 4×4 inches.

In portfolio. *Massachusetts Historical Society.*

NORMAN, J., SC.

Plan of the town of Boston with the attack on Bunker Hill, in the
peninsula of Charlestown, the 17th of June, 1775. Size, $5\frac{1}{2} \times 11\frac{3}{8}$
inches. Scale, none.

No. 55. *Bostonian Society.*

[PAGE, LIEUT. ?]

A view of the attack on Charles Town and the lines erected by the
provincials on Bunker's Hill, which were forced by his Majestys
forces under the command of Major General Howe, the 17th of
June, 1775. Size, $4\frac{7}{16} \times 5$ inches. Scale, none.

With references and explanations.

Probably cut from Frothingham's History of Charlestown.

Hafen von Boston II. Taf. Gexstmayrfe Meming. Size, $6\frac{1}{8} \times 9\frac{1}{2}$
inches. Scale, none.

Dr. James B. Ayer, Boston.

1776

CRANE, ALBERT O., PUBLISHER.

Gen. Washington's revolutionary campaign war map. After a sur-
vey ordered by him. Showing the position of his army in defence
of Boston, 1776; also the fortifications and gun batteries extending
from Charlestown around to Dorchester heights. Boston. A. O.
Crane. 1875. Heliotype. Size, $12\frac{1}{2} \times 19$ inches. Scale (computed),
2,964+ feet to an inch.

The original at the time of publication was in the hands of the publisher, A. O.
Crane.

D-780. *Harbor and Land Commissioners Office.*

Same. Size, 14×19 inches.

Library of Congress, Washington, D.C.

“ Size, $12\frac{1}{2} \times 18\frac{1}{10}$ inches. Scale (computed), 2,990+ feet to an inch. No. 244. *Massachusetts State Library.*

“ Size, $12\frac{3}{8} \times 19\frac{1}{8}$ inches. Scale (computed), 2964.2 feet to an inch. No. 31 in *Map 32.1=No. 8 in *Map 39.2
Boston Public Library.

“ No. 53. *Bostonian Society.*

GAINE, H.

Plan of Boston. Size, $3\frac{1}{2} \times 6$ inches.

In Hutchins' improved: being an almanack and ephemeris 1776. 16°. New York, H. Gaine [1776]. On the opposite leaf is "References to the plan."

Plan de Boston. Size, 6×7 inches.

In Geschichte der kriege in und ausser Europa. [Anon.] 4°. Nürnberg, 1776. pt. 1.

Library of Congress, Washington, D.C.

DES BARRES, JOSEPH FREDERICK WALLET.

[Boston bay.] Novr. 13, 1776. Size, $28 \times 39\frac{3}{8}$ inches. Scale (computed), 76 miles to an inch. (In his Atlantic Neptune, vol. 2, part 2. London, 1777.)

No. 9 in *Map 116.1.2, part 2.

BOWLES, CARRINGTON.

Bowles' map of the seat of war in New England. Comprehending the provinces of Massachusetts Bay and New Hampshire; with the colonies of Connecticut and Rhode Island. London. Bowles, 1776. Size, $24\frac{1}{2} \times 19\frac{3}{4}$ inches. Scale (computed), $19\frac{3}{4}$ miles to an inch. Sub-map. — Plan of Boston with its harbour and environs, 1776. Size, $4\frac{5}{8} \times 6\frac{1}{2}$ inches. Scale (computed), 1.6 miles to an inch.

No. 13 in *Map 54.6

Chart, A, of the harbour of Boston, with the soundings, sailing-marks, and other directions. [? 1776?] Size, $20\frac{3}{4} \times 34\frac{1}{4}$ inches. Scale (computed), 2,413 feet to an inch.

No. 5 in *Map 48.9

Boston Public Library.

[Boston Harbor, 1776 ?] Size, $6\frac{1}{2} \times 6\frac{1}{2}$ inches. Scale, none.

BEAURIN, CHEVAL DE.

Carte vod dem Hafen und der Stadt Boston mit den umliegenden Gegenden und den Lägern sowohl der Americaner als, auch der Engländer von dem Cheval. de Beaurin, nach dem Pariser Original von 1776. Leipzig. J. C. Müller. [177-?] Size, $19\frac{5}{8} \times 23\frac{5}{8}$ inches. Scale (computed), $\frac{1}{2}$ mile to an inch.

Two copies.

No. 27a in *Map 32.1

Boston Public Library.

Same.

In portfolio. *Massachusetts Historical Society.*

BEAURAIN, CHEVALIER DE.

Carte du porte et havre de Boston, avec les côtes adjacentes dans laquelle on a tracée les camps et les retranchemens occupée, tant par les Anglois que par les Americains. Par le Chr. de Beaurain, 1776. Size, 22×27 inches.

No. 57. *Bostonian Society.*

Same (colored). Size, 19×27 inches.

$\frac{3.3.5.5}{5}$ *Harvard College Library.*

HAMILTON, JR., A.

An accurate map of the country round Boston in New England, from the best authorities. Engraved for the Town and County magazine. London. A. Hamilton, Jr. Jan. 16, 1776.

$\frac{3.3.5.5}{7}$ *Harvard College Library.*

Same.

Dr. James B. Ayer, Boston.

1778

LE ROUGE, GEORGE LOUIS.

Plan de Boston. A plan of Boston harbor.

In Le Rouge (George Louis) Atlas Ameriquain Septentrional. fol. Paris. Le Rouge, 1778-[1792?], no. 9-10.

Inset to Green (John). A map of the most inhabited part of New England.

Library of Congress, Washington, D.C.

1779

WITHINGTON, MATHER.

A plan of the road from Quincy meeting house to Boston line, through Quincy, Milton, Dorchester and Roxbury, with a plan of the town of Roxbury and Dorchester; their roads and sea shore, showing the shortest road they can make from Quincy meeting house to Boston. Surveyed by order of the committee December 26th, 1779 by Mather Withington. Size, $18\frac{3}{8} \times 26\frac{1}{2}$ inches. Scale, 200 rods to 1 inch.

A manuscript drawing.

Vol. 24, p. 26, Misc. Vols. *Massachusetts State Archives.*

1780

LEACH, JOHN.

Plan of the new streets in Charlestown, with the alterations of the old. Surveyed in 1780 by John Leach. Size, 20×26 inches. Scale, none.

Vol 71, p. 1. *Engineering Department (Surveying Division).*Same. Size, $19\frac{3}{8} \times 25\frac{3}{8}$ inches. Scale, none.Vol. 59 p. 1, Misc. vols. *Massachusetts State Archives.*

France. Dépôt général de la marine.

Carte particulière du havre de Boston, avec les sondes, les bancs de sable, les rochers, les amaios et les autres directions utiles à la navigation. Réduite de la carte anglaise de J. E. S. Des Barres. [Paris.] 1780. Size, $22\frac{1}{4} \times 33\frac{3}{8}$ inches. Scale (computed), 3537.6 feet to an inch.

Two copies.

No. 34 in * Map 32.1 *Boston Public Library.*Same. Size, $22\frac{1}{4} \times 33\frac{3}{8}$ inches. $\frac{33\frac{3}{8}}{15.5}$ *Harvard College Library.*

1782

[Côte de York-town à Boston. [Différent camps de l'armée de York-town à Boston. (Anon.) fold. n. p. 1782] [Rochambeau: 64] Size, $10\frac{1}{4} \times 33\frac{1}{2}$ inches.

[Côte de York-town à Boston. Marches de l'armée (anon.) MS. col. 1782] [Rochambeau: 65] Size, 17×65 inches.

Library of Congress, Washington, D.C.

1784

KEULEN, GERARD HULST VAN.

A new chart of the coast of New England, Nova Scotia, and the islands of St. John, Cape Breton, Sable, the banks of St. Peters . . . Amsterdam. Van Keulen. 1784. Size, $22\frac{3}{4} \times 42\frac{3}{8}$ inches.

Scale (computed), 15.73 geographical miles to an inch. Sub-map. —

A plan of the town of Boston. Size, $8\frac{3}{8} \times 9\frac{5}{8}$ inches. Scale (computed), 1,389 feet to an inch. No. 10 in * Map 121.1

Plan of the town of Boston. Size, $5\frac{1}{16} \times 9$ inches. Scale, none.

(In Boston magazine. Vol. 1, 3, Boston, 1784-86.) * 7300a.4.1.3.

Engraved for the Geographical gazetter of the towns in the Commonwealth of Massachusetts, which is bound in at the back of each volume of the magazine.

Boston Public Library.

1785

POPE, JOHN.

A plan of part of Boston Neck, lately granted to a number of proprietors. By John Pope, Nov^r., 1785. Size, 16×19 inches. Scale, 100 feet to an inch.

Shows the location of the old fortification at the neck, and the gallows. Vol. 2, p. 1, dup. Vol. 2, p. 16.

Engineering Department (Surveying Division).

Boston, Plan of the town of. [Anon.] Size, 6×9 inches.

In the Boston Magazine for the year 1785. 8°. Boston, E. Freeman [1785] V. 2. no. 12.

Library of Congress, Washington, D.C.

1788

Boston with its environs. Size, 9×12½ inches.

In Gordon (William). The history of the rise, progress, and independence of the U. S. 8° London, 1788, V. 2.

Library of Congress, Washington, D.C.

Same. Size, 8¾×12½ inches. Scale (computed), 4330+ feet to an inch. *4,402.22.2 *Boston Public Library.*

“ “ ^{3 3 5 3}/_{1 6}. *Harvard College Library.*

“ Size, 8¾×12¾ inches. *Dr. James B. Ayer, Boston.*

1789

[NORMAN, JOHN?]

A new and correct plan of the town of Boston [Boston John Norman, 1789?] Size, 7¾×10¾ inches.

In Hales street lines of Boston. Reproduced in 1894 by the City Registrar (William H. Whitmore). Two volumes.

Engineering Department (Surveying Division).

Same. Size, 7¾×10¾ inches.

Library of Congress, Washington, D. C.

“ Size, 7¾×10¾ inches. Scale (computed), 1185+ feet to an inch. <64 B 119 P 4. *Boston Athenæum.*

“ Size, 7¾×10¾ inches. Scale (computed), 1185+ feet to an inch. M. A. ^{3 3 5 0}/_{8 9 4}. *Harvard College Library.*

NORMAN, JOHN.

Plan of the town of Boston, by John Norman, Boston, 1789. Size, 7½×10 inches. Scale, none.

No. 59. *Bostonian Society.*

Same. Size, 5½×8¾ inches. Scale, none (computed), 1185 feet to an inch.

In Boston Directory of 1789.

\$0 D, B 64. *Boston Athenæum.*

Same. Size, 6×8½ inches. Scale, none.

Dr. James B. Ayer, Boston.

TRENCHARD, J.

A map of the seat of the late war at Boston in the state of Massachusetts. Size, 7×10 inches.

In The Columbian Magazine, July, 1789. 8°. Philadelphia. For J. Trenchard [1789].

1794

WITHINGTON, MATHER.

A plan of the town of Roxbury. Surveyed, Nov^r. 1794. By Mather Withington. Size, 14×20½ inches. Laid down by a scale of fifty of Gunter's chains to an inch=(200 rods to an inch).

A MS. drawing. Mounted on board and varnished.

A-124. *Engineering Department (Surveying Division).*

Same. Vol. 13, p. 2, Town plans. *Massachusetts State Archives.*
A MS. drawing.

Same. A plan of the town of Dorchester. Surveyed, Sept., 1794 agreeable to an act of the Commonwealth of Massachusetts. By Mather Withington. Size, $14\frac{1}{2} \times 20\frac{1}{2}$ inches. Laid down by the scale of fifty of Gunter's chains, or 200 rods to an inch. A MS. drawing. In color. Two plans. Vol. 13, p. 3. Town plans. *Massachusetts State Archives.*

THOMPSON, SAMUEL.

A plan of Charlestown. Surveyed in December 1794 and protracted according to the needle at the time of survey. By Samuel Thompson. Size, $10\frac{1}{2} \times 16\frac{1}{2}$ inches. Scale, 200 rods to an inch.

A MS. drawing.

Vol. 7, p. 8. Maps of 1794. *Massachusetts State Archives.*

1795

CARLETON, OSGOOD.

[Plan of Boston.] By Osgood Carleton. Boston, 1795. Size, $77\frac{1}{2} \times 82$ inches. Scale, $\frac{1}{20000}$.

A MS. drawing, and bears the legend, "To the selectmen of the town of Boston in the Commonwealth of Massachusetts ever distinguished for their zeal for the good of their constituents, this plan of said town is with due deference most humbly dedicated, being made from an actual survey, carefully taken, by their most obedient servant, Osgood Carleton. Annoque Domini, MDCCXCV."

Same. A MS. copy, made in the City Surveyor's office about 1878, by Sumner R. Edmund. C C = 366.

" A survey of Fort Point channel from Rowe's wharf to south of Dover street. Showing wharves and plato. By Osgood Carleton. Boston, 1795. Copied in City Engineer's office. Boston, E. R. Brown, Dec., 1853. Size, $17\frac{1}{2} \times 22\frac{1}{2}$ inches. Scale, 330 feet to an inch. Vol. 20, p. 46.

PERKINS, CHARLES CARROLL.

Plan of Boston Proper, showing changes in street and wharf lines, 1795 to 1895. Made under the direction of Pierre Humbert, city surveyor, Boston, 1895. Size, $40\frac{3}{8} \times 73\frac{1}{4}$ inches. Scale, 200 feet to an inch. A-74.

Same. Reduced reproduction by George H. Walker & Co., Boston, 1895. Size, $20\frac{3}{8} \times 36\frac{1}{16}$ inches. Scale, 400 feet to an inch. A-75. *Engineering Department (Surveying Division).*

" Size, 20×36 inches. *Map 1015.3.

Boston Public Library.

CARLETON, OSGOOD.

A plan of the town of Boston in the county of Suffolk, & Commonwealth of Massachusetts. Surveyed by Osgood Carleton, MDCCXCV. Size, $20\frac{1}{2} \times 29$ inches. Scale, 200 rods to an inch.

A MS. drawing, and in color.

Vol. 13, p. 1. *Massachusetts State Archives.*

1796

Same. A plan of Boston from actual survey. Engraved by Joseph Callender for John West's Second Boston Directory. Published in 1796 from 75 Cornhill. Size, $8\frac{1}{2} \times 14\frac{1}{2}$ inches. *Library of Congress, Washington, D.C.*

" Size, $8\frac{1}{2} \times 14$ inches. Scale (computed), 47+ rods to an inch. *Massachusetts State Library.*

" Size, $8\frac{1}{2} \times 14\frac{1}{2}$ inches. Scale (computed), 46+ rods to an inch. (In Boston Directory, Boston, 1800). *2359.2.2. *Boston Public Library.*

- Same. Size, $8\frac{1}{4} \times 14\frac{1}{4}$ inches. Scale (computed), 46+ rods to an inch.
No. 60.
- " Size $8\frac{3}{8} \times 14\frac{3}{8}$ inches.
In portfolio. Two copies. *Bostonian Society*.
- " Size, $8\frac{1}{8} \times 14\frac{1}{8}$ inches. Scale (computed), 800+ feet to an inch.
§OD. B. 64. *Boston Athenæum*.
- " (In Directory of 1796.) Size, $14\frac{1}{8} \times 8\frac{1}{8}$ inches. Scale (computed),
776.48 feet to an inch. ^{3353.}
" (In Directory of 1798.) Dit. 203. ²⁰
" (In Directory of 1800.) Dit. 203.
Harvard College Library.
- " (In Directory of 1796). Size, 8×14 inches. Scale (computed),
47+ rods to an inch.
Essex Institute, Salem, Mass.

1797

- Same. Town of Boston and vicinity. By order of the General Court, showing boundaries and channels. S. Norman, Sc., Boston, Osgood Carleton (also Wm. Norman). Size, $37\frac{1}{4} \times 40$ inches. Scale (computed), 342.8 feet to an inch.
- A MS. drawing, with colored outlines.

³³⁶⁰ M R. *Harvard College Library*.

1798

HOLLAND, SAMUEL.

- A chart of the coast of New England, from the South Shoal to Cape Sable, including George's Bank. From Holland's actual surveys. Boston. W. Norman. [1798.] Size, $39\frac{1}{2} \times 32\frac{1}{2}$ inches. Scale, none.
(In Norman. The American pilot. Boston, 1798.)

No. 7 in **E. 10.2.

Contains sub-maps. A plan of Boston harbor. 4 views.

- Same. J. Norman, 1812. (In the American pilot, published by A. J. Allen & Co.) No. 6 in *Map 92.1.

This is the same plate as the preceding, with alterations and erasures in the legend.
Boston Public Library.

1800

CARLETON, OSGOOD.

- A new plan of Boston from actual surveys by Osgood Carleton. With corrections, additions & improvements, 1800. Boston. George B. Foster, 1878. Size, $12 \times 17\frac{1}{2}$ inches. Scale (computed), 161 yards to an inch.

Copy of a rare map of Boston. Presumed to be the only one extant.

A-62. *Engineering Department (Surveying Division.)*

- Same. Size, 12×17 inches.

Library of Congress, Washington, D.C.

- " Size, $12 \times 17\frac{1}{2}$ inches. Scale, none. No. 36 in *Map 32.1.

- " (Original print), size, $29\frac{3}{8} \times 18\frac{3}{8}$ inches. Scale, none.

No. 35 in *Map 32.1. *Boston Public Library*.

- " Reproduced in 1878 by George B. Foster. Size, $12\frac{1}{8} \times 17\frac{1}{2}$ inches. Scale, none.

In portfolio. *Massachusetts Historical Society*.

- " Size, $12 \times 17\frac{1}{2}$ inches. Scale, none.

No. 61. *Bostonian Society*.

- " *Essex Institute, Salem, Mass.*

[Boundary line between Boston, Roxbury, Dorchester, and Cambridge.] [Boston, 1800?.] Size, $23\frac{1}{2} \times 34$ inches. Scale, 100 feet to an inch.

Vol. 20, p. 89.

1801

TAYLOR, WILLIAM.

A plan of a survey of Noddle's Island. Taken for David Greenough by William Taylor, 1801. Size, 24×34 inches. Scale, 20 rods to an inch.

From Suffolk Registry of Deeds. Copy of a copy made by William Darracott.

Vol. 104, p. 2. (East Boston Sectional plans, part 2.)

Same. Reduced copy of the original by G. M. D. Size, $5 \times 7\frac{5}{8}$ inches. Scale, 80 rods to an inch. H—88.

From Suffolk Registry of Deeds, lib. 362, fol. 218.

Engineering Department (Surveying Division).

LUFFMAN, JOHN.

Boston. Size, $4\frac{3}{4} \times 6$ inches.

In Luffman (John). Select plans of the principal cities, harbours, ports, etc., in the world. 4^o. London, 1801. V. 2.

No. 72. *Library of Congress, Washington, D. C.*

1802

CARLETON, OSGOOD.

Map of Massachusetts proper. Compiled from actual surveys made by order of the General Court, and under the inspection of agents of their appointment, by Osgood Carleton, Boston. Vignette drawn by G. Graham. Engraved by Joseph Callender and Samuel Hill, Boston. B. & J. Loring, 1802. Size, $29\frac{1}{8} \times 44$ inches. Scale, 4 miles to an inch.

In portfolio. *Massachusetts Historical Society.*

1803

CARLETON, OSGOOD.

A plan of Boston from actual survey by Osgood Carleton [Boston 1803?]. Size, $7\frac{1}{2} \times 13$ inches. Scale (computed), 50 rods to an inch.

In Hales street lines of Boston, reproduced in fac-simile (by the Photo Electrottype Co.) and published by the city registrar (William H. Whitmore). 2v. in 1 fol., Boston, Rockwell & Churchill, 1894.

Engineering Department (Surveying Division).

Same. Size, 8×13 inches.

Library of Congress, Washington, D. C.

" Size, $7\frac{1}{2} \times 13$ inches. Scale (computed), 50 rods to an inch. No. 62. *Bostonian Society.*

" Size, 8×13 inches. Scale (computed), 50 rods to an inch. < 64 B 119, P. 4. *Boston Athenæum.*

" [Plan of a portion of Boston showing water pipes. By Osgood Carleton, Boston, 1803.] Size, $61\frac{1}{4} \times 115\frac{1}{4}$ inches. Scale, 5 rods to an inch.

Shows the greater portion of Boston from Dover street, northeast. The water pipes were made from wooden logs bored by hand.

Same. Reproduced in 1901 by George H. Walker & Co. Size, $21 \times 40\frac{1}{2}$ inches.

In City Engineer's report for 1900.

Engineering Department (Surveying Division).

Same. A plan of Boston from actual survey. By Osgood Carleton, Boston. John West, 1803. Size, $8\frac{1}{4} \times 14\frac{1}{4}$ inches. Scale, (computed), 800 feet to an inch.

26.31. *Boston Athenæum.*

" (Colored.) Size, $8\frac{1}{4} \times 14\frac{1}{4}$ inches. Scale (computed), 754.24 feet to an inch. $\frac{3353}{32}$. *Harvard College Library.*

" M. A. $\frac{3350}{94}$. *Harvard College Library.*

1804

WITHINGTON, MATHER.

A plan of South Boston and the owners' lands and the roads. By Mather Withington, 1804. Certified copy, Dorchester, May 1, 1826. Size, 30×50 inches. Scale, 16 rods to an inch. CC — 419.

Same. Size, 24×39½ inches. Scale, 16 rods to an inch.

Copy of the copy made in the City Engineer's office, June, 1856 (which was made from Mather Withington's certified copy of Aug. 16, 1826).

G — 83.

1805

Same. Certified copy of the plan drawn for the town in the year 1805, by Mather Withington, Dorchester, Feb. 11, 1826.

Same. Size, 21×44½ inches. Scale, 16 rods to an inch. Vol. 9, p. 14.

“ Size, 23×34½ inches. Scale, 16 rods to an inch. Vol. 42, p. 4.

This plan is without title or date.

Engineering Department (Surveying Division.)

CARLETON, OSGOOD.

A plan of Boston from actual survey, by Osgood Carleton, [1805 ?] Size, 8¼×14½ inches.

Altered from plate dated 1796. Front street (now Harrison avenue), which has been added, was laid out in 1805.

Library of Congress, Washington, D.C.

Same. Size, 8¼×14½ inches. Scale, (computed), 45.7 rods to an inch. No. 12 in *Map 30.8. *Boston Public Library.*

1806

Boston with its environs. Engraved by J. Vallance. Philadelphia, C. P. Wayne, 1806. Size, 9×13 inches.

In Marshall (John) The life of George Washington. Maps. 4°. Philadelphia. C. P. Wayne, 1807, plate 1.

Library of Congress, Washington, D. C.

Same. Size, 8½×13½ inches. Scale (computed), 4,353 feet to an inch.

No. 38 in *Map 32.1

Cut from Marshall. Life of Washington.

[* 2340.20.6, etc.]

NORMAN, WILLIAM, PUBLISHER.

A new plan of Boston drawn from the best authorities, with the latest improvements, additions and corrections. Boston, 1806. Size, 35½×18½ inches. Scale (computed), 21 rods to an inch.

No. 37 in *Map 32.1

Boston Public Library.

PHILLIPS, R., PUBLISHER.

Boston and its environs. Cooper, sculp. London, R. Phillips, Sept. 28, 1806. Size, 8×12¾ inches. Scale (computed), 4,124 feet to an inch.

Dr. James B. Ayer, Boston.

1807

[Boston, 1807.] Size, 8½×14½ inches. Scale (computed), 776.48 feet to an inch.

In Boston Directory of 1807.

1808

BULFINCH, CHARLES.

Plan of the Mill pond, Boston, with the streets, canals and market, adopted by the Selectmen & Mill corporation. Drawn by Charles Bulfinch (one of the selectmen). Size, 28×39¼ inches. Scale (computed), 70 feet to an inch.

A copy of the plan filed, with second indenture between the town of Boston and the Boston Mill corporation. In the archives of the city. (City Clerk's office.)

Vol. 1, p. 14. *Engineering Department (Surveying Division.)*

1809

BADLAM, STEPHEN.

A plan of part of South Boston. By Stephen Badlam. June 30, 1809. Lithographic copy. Size, $16 \times 34\frac{1}{4}$ inches. Scale (computed), 200 feet to an inch. Vol. 1, p. 19.

Same. Size, $17 \times 33\frac{1}{4}$ inches. Vol. 7, p. 6.

" Size, $16 \times 33\frac{1}{4}$ inches. Vol. 9, p. 17.

" Size, $28 \times 34\frac{1}{2}$ inches. G — 256.

Engineering Department (Surveying Division.)

Map of Boston. Size, $8\frac{3}{4} \times 14\frac{1}{4}$ inches. Scale, 800 feet to an inch.

In Boston Directory, published by Edward Cotton, Boston. Printed by Munroe, Frances & Parker.

26.31. *Boston Athenæum.*

180-

Plan of Boston [Boston, 180-?]. Size, $8\frac{3}{8} \times 14$ inches. Scale (computed), 47+ rods to an inch. No. 9 in *Map 30.8

Same. Size, $8\frac{3}{8} \times 14$ inches. No. 12a in *Map 30.8

These two maps are evidently from the same plate. The difference in size is probably due to the quality of the paper.

1810

TUFTS, JUN., PETER.

Tracing of plan entitled "This plan drawn from a scale of two hundred feet to an inch by Peter Tufts Jun. Oct. 29 1810." (From a copy in possession of J. G. Chase, Esq., Cambridge, Mass.) Size, 54×100 inches.

Shows Charlestown, portion of Cambridge (showing estates), and west part of Boston.

M — 18. *Harbor and Land Commissioners' Office.*

Plan of Boston. Size, $8\frac{3}{4} \times 14\frac{1}{4}$ inches. Scale, 47 rods to an inch.

(In Boston Directory, Boston, 1810.) *2359a.2 (1810.)

In 1807 Charlestown street, Traverse street, Canal street, etc., were laid out across the mill pond, and do not appear on this map. See City Document 119 for 1879, "Nomenclature of Streets."

Boston Public Library.

1813

Prospective plan of the city of Boston and Roxbury. Drawn for Roxbury Mill Corporation. [1813?] Size, $16\frac{9}{15} \times 21\frac{1}{8}$ inches. Scale (computed), $844\frac{8}{15}$ feet to an inch.

Vol. 20, p. 92. *Engineering Department (Surveying Division.)*

Map of Boston. Size, $8\frac{3}{8} \times 14$ inches. Scale (computed), 800 feet to an inch. (In Boston Directory, Boston, 1813. Published by E. Cotton.)

26.31. *Boston Athenæum.*

1814

HALES, JOHN GROVES.

Map of the city of Boston in the state of Massachusetts, by J. G. Hales, Geogr. & Surveyor [Boston], 1814. J. R. Penniman, Del. Engraved by T. Wightman, Jr. Size, 28×36 inches. Scale (computed), 90+ yards to an inch.

The wards shown in color. Contains a sub-map, showing from the Neck to Roxbury line.

A — 115. *Engineering Department (Surveying Division.)*

Same. Size, 29×35 inches.

Library of Congress, Washington, D.C.

Same. Size, 28×36 inches.

No. 39 in *Map 32.1. *Boston Public Library.*

“ Size, 28×36 inches. Scale (computed), 90+ yards to an inch.
Essex Institute, Salem, Mass.

“ Reissued. Boston, Williams & Co. 1879.

Three copies.

No. 3 in *Map 35.2. *Boston Public Library.*

Same. No. 613. *Bostonian Society.*

“ Size, 28×35 inches.

7 day table, drawer 2. *Boston Athenæum.*

“ Size, 28×36½ inches. Scale (computed), 90+ yards to an inch.
³³⁶⁰/₅. *Harvard College Library.*

“ Reproduced by the Photo-Electro Engraving Co. Boston, 1894.
Size, 37¼×47¼ inches. Scale (computed), 69×yards to an inch
A-73.

“ Size, 35½×48 inches. Scale (computed), 69+ yards to an inch.
A-126. *Engineering Department (Surveying Division).*

“ No. 713. *Bostonian Society.*

“ In Hale's (John Groves). Maps of the street lines of Boston
made for the selectmen in 1819 and 1820.

Reproduced by the Photo-Electro Engraving Co. and published by the city registrar
(William H. Whitmore), 2v. in 1 fol. Boston. Rockwell & Churchill, 1894. Two
copies.

Engineering Department (Surveying Division).

This map is in 16 sheets. Size of each, 9×12 inches.

Same. *Library of Congress, Washington, D.C.*

“ *Massachusetts State Library.*

“ Maps and plans. No. 4022. *Massachusetts State Archives.*

“ <64B.9P4. *Boston Athenæum.*

“ M. A. ³³⁵⁰/₅₉₄. *Harvard College Library.*

DEARBORN, BENJAMIN.

Plan of those parts of Boston and its vicinity with the waters and
flats adjacent, which are immediately or remotely connected with
the contemplated design of erecting perpetual tide mills. By Ben-
jamin Dearborn, Boston, February, 1814. Size, 14³/₁₆×18⁹/₁₆ inches.
Scale, 80 rods to an inch.

The plan bears the legend:—

This vast design, in the wide range of its utility will undoubtedly exceed any
undertaking hitherto accomplished in this quarter of the world. Printed and coloured
typographically by Benjamin Dearborn, in his new constructed letter press. This
plan is probably the first ever printed in a similar manner, as the common printing
press cannot be thus applied.

In portfolio. *Massachusetts Historical Society.*

Same. Size, 14¾×19 inches. Scale, 80 rods to an inch.

No. 64. *Bostonian Society.*

“ *Dr. J. Collins Warren, Boston.*

“ *Essex Institute, Salem, Mass.*

This map appears to be the same as the above, with this exception: the descrip-
tive portion of the title is not as complete.

FULLER & WHITNEY.

A set of plans showing the Back Bay 1814-1881, and illustrating the
rapid progress in the development of the territory for its present
and proposed uses. Six maps. 15 pp. fol. Boston. Fuller &
Whitney, 1881.

Blue prints.

Library of Congress, Washington, D.C.

Same. Size, 15½×25¼ inches. Scale, 500 feet to an inch.

<64B. 901. *Boston Athenæum.*

1816

HALES, JOHN GROVES.

Map of sundry lands, roads, rivers, &c., in the vicinity of Boston, 1816. Size, $48\frac{1}{2} \times 60\frac{1}{2}$ inches. Scale, 20 rods to an inch.

This is a copy of a portion of Hales' map.

M-5. *Harbor and Land Commissioners' Office.*

1817

WADSWORTH, ALEX^r. S.

Chart of Boston Harbor. Surveyed in 1817 by Alex^r. S. Wadsworth, U. S. N., by order of Com^e. William Bainbridge, to whom it is most respectfully inscribed. Allen & Gaw, Sc., Phila. John Melish, 1819. Size, $35\frac{1}{2} \times 41$ inches. Scale, 1,500 feet to an inch.

Shows topography of land near shore line, flats and soundings.

C. C.-56. *Engineering Department (Surveying Division).*

Same. D-516. *Harbor and Land Commissioners' Office.*

" Size, $34\frac{1}{2} \times 40\frac{1}{2}$ inches.

* Map 39.8. *Boston Public Library.*

" Size, $32\frac{3}{4} \times 39\frac{3}{4}$ inches.

$\frac{2360}{2}$ M. R. *Harvard College Library.*

1818

TUFTS, JUN., PETER.

Plan of Charlestown peninsula in the State of Massachusetts from accurate survey by Peter Tufts, 1818. (MS. copy by C. D. Barstow, Del.) Size, $17 \times 20\frac{3}{4}$ inches. Scale, 400 feet to an inch.

Vol. 82, p. 7. *Engineering Department (Surveying Division).*

Same. Engraved by Annin & Smith, Boston.

In portfolio. *Massachusetts Historical Society.*

" Size, $17\frac{1}{4} \times 21$ inches.

No. 685. *Bostonian Society.*

Boston and adjacent country. Size, $3\frac{1}{2} \times 5\frac{1}{2}$ inches.

In Melish (John). A geographical description of the United States. 3d ed. 8°. Philadelphia, 1818. p. 66.

Library of Congress, Washington, D. C.

1819

HALES, JOHN GROVES.

Map of Boston and its vicinity from actual survey by John G. Hales. Edwin Gillingham, Sc. Boston John G. Hales. Philadelphia. J. Melish. 1819. Size, $24\frac{5}{8} \times 30\frac{1}{4}$ inches. Scale, 1 mile to an inch.

Shows territory around Boston from Beverly on the northeast to Acton on the northwest; to and including Medfield on the southwest to Scituate on the southeast. Some of the towns seem to have been tinted around the edges.

This is the only edition which has a single north point.

A-30. *Engineering Department (Surveying Division).*

Same. Size, $24\frac{5}{8} \times 30$ inches.

No. 1 in * Map 35.2. *Boston Public Library.*

" Size, $25 \times 30\frac{1}{4}$ inches.

$\frac{3360}{3}$ M. R. *Harvard College Library.*

" Size, $24\frac{1}{2} \times 30$ inches. (Two copies.)

Essex Institute, Salem, Mass.

HALES, JOHN GROVES.

Plans and records of the streets, lanes, courts, places, etc., in the town of Boston. Taken from actual survey under the direction of the honorable board of selectmen in the year 1819, by their most humble servant, John G. Hales, Boston. (MS.) Vols. 38-39.

" Reproduced in fac-simile, and published by the city registrar (William H. Whitmore). Boston. Rockwell & Churchill. 1894.

2 V. in 1. (8), 285 pp. L f °. Two copies.

Engineering Department (Surveying Division.)

Same. *Library of Congress, Washington, D.C.*

" *Massachusetts State Library.*

" Two copies. * Map, 30.3.

" B. H. Ref. 260.3.

Boston Public Library.

" < 64 B 9 P 4. *Boston Athenæum.*

" M. A. $\frac{3350}{894}$. *Harvard College Library.*

1820

HALES, JOHN GROVES.

Map of Boston and its vicinity. From actual survey by John G. Hales. Edward Gillingham, Sc. Boston. John G. Hales, 1820. Size, $24\frac{5}{8} \times 30\frac{1}{4}$ inches. Scale, 1 mile to an inch.

Vol. 74, p. 75. *Engineering Department (Surveying Division.)*

Same. Size, $24\frac{1}{2} \times 30$ inches.

Massachusetts State Library.

" Size, $24 \times 29\frac{3}{4}$ inches. Vol. 48, p. 10, Misc. vols.

Massachusetts State Archives.

" No. 11 in * Map 35.2.

Boston Public Library.

" $24\frac{1}{4} \times 30$ inches.

$\frac{3360}{4}$ M. R. *Harvard College Library.*

Plan of Boston. Size, 9×14 inches.

(In the Boston Directory (1820). 16°. Boston, J. H. A. Frost & C. Stimpson jr., 1820.)

The Boston directories for 1820, 21, 22, each contain a map printed from the same plate, but differently dated. That for 1822 has the wards colored.

Library of Congress, Washington, D. C.

Same. Size, $8\frac{3}{4} \times 14\frac{1}{4}$ inches. Scale (computed), 47 rods to an inch.

No. 65 and in portfolio.

Bostonian Society.

" Size, $8\frac{3}{8} \times 13\frac{7}{8}$ inches. Scale (computed), 47+ rods to an inch.

26.31 *Boston Athenæum.*

1821

HALES, JOHN GROVES.

[Map of the] Mill dam. Size, $5\frac{3}{16} \times 6\frac{1}{16}$ inches. Scale (computed), 1,985 feet to an inch. (In his survey of Boston, p. 24, Boston, 1821).

** G. 309.19. *Boston Public Library.*

1821

Plan of Boston. Size, $8\frac{1}{2} \times 14$ inches. Scale (computed), 800 feet to an inch. (In Boston directory (1821), J. H. A. Frost & Charles Stimpson, Jr. 1821.)

26.31 *Boston Athenæum.*

1822.

[A plan of Boston market 1822.] Size 24×35 inches. Scale (computed), 16 feet to an inch.

Shows Market square, from Merchants row to Dock square, Faneuil Hall and the vegetable market.

Vol. 1, p. 17. *Engineering Department (Surveying Division.)*

Plan of Boston (colored.) Size, $8\frac{3}{4} \times 14\frac{1}{2}$ inches. Scale (computed), 47 rods to an inch. (In Boston directory (1822), J. H. A. Frost & Charles Stimpson, Jr., 1822.)

In portfolio. *Bostonian Society.*

Pianta della città di Boston. V. Pedretti dis ed inc. Size $3\frac{1}{2} \times 4\frac{1}{4}$ inches.

(In Compagnoni (G.) Storia dell' America. (Anon. 18^o. Milano, Fusi Stella e co. 1822, v. 9, p. 632.

Library of Congress, Washington, D. C.

APPENDIX K.

MERIDIAN LINE.

In 1870 an act was passed by the Massachusetts Legislature requiring each land surveyor in the State at least once in every year to adjust and verify his compass by the meridian line established in the county wherein his surveys were to be made.

A meridian was marked by stone monuments and a book of record kept by a custodian designated by the County Commissioners.

The law compelling surveyors to test their compasses annually was modified in 1875, so that surveyors who did not use the compass in turning angles were relieved from the penalty attaching to the violation of the original act.

The meridian posts for the County of Suffolk were placed on the southerly portion of the "Parade Ground," on Boston Common. They are granite posts, three in number, placed 200 feet apart, are eighteen inches square at the base, one foot square at the top and eight feet long, being firmly set in a bed of concrete with their tops originally just below the surface of the ground.

A stone curb was placed even with the surface of the ground over the top of each post, with a metallic composition cover.

The surface of that part of the Common where the posts are set was raised several feet in 1897, the posts being protected by building a brick manhole around each stone. The posts being accessible by the removal of the manhole cover.

As the cover and cap of the manholes are made of iron, it is now necessary to set up the compass in the production of the line marked by the monument to avoid local attraction. The point selected has been 290 feet north of the northerly stone.

The following table gives the number of tests for each year with the average readings:

YEAR.	Number of Readings.	Average of Readings West of North.	YEAR.	Number of Readings.	Average of Readings West of North.
1871 . . .	9	10-53-46	1887 . . .	14	11-51-54
1872 . . .	8	11-09-47	1888 . . .	3	11-40-57
1873 . . .	3	11-07-53	1889 . . .	-	
1874 . . .	3	11-11-40	1890 . . .	7	11-39-56
1875 . . .	3	10-58-33	1891 . . .	4	11-49-30
1876 . . .	2	11-13-00	1892 . . .	-	
1877 . . .	8	11-12-35	1893 . . .	1	12-32-20
1878 . . .	13	11-28-56	1894 . . .	-	
1879 . . .	4	11-35-15	1895 . . .	-	
1880 . . .	7	11-34-53	1896 . . .	-	
1881 . . .	3	11-28-23	1897 . . .	8	12-04-37
1882 . . .	5	11-36-18	1898 . . .	6	12-34-34
1883 . . .	5	11-42-04	1899 . . .	-	
1884 . . .	6	11-46-13	1900 . . .	8	12-33-45
1885 . . .	8	11-43-12	1901 . . .	-	
1886 . . .	4	11-39-58			

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